



April 12, 2000

United States Department of Interior  
Bureau of Land Management - Vernal District Office  
Attention: Margie Herrmann  
170 South 500 East  
Vernal, Utah 84078-2799

RE: S. Wells Draw 1-9-9-16  
NENE Section 9, T9S, R16E  
S. Wells Draw 2-9-9-16  
NWNE Section 9, T9S, R16E  
S. Wells Draw 5-9-9-16  
SWNW Section 9, T9S, R16E  
S. Wells Draw 6-9-9-16  
SENE Section 9, T9S, R16E  
S. Wells Draw 7-9-9-16  
SWNE Section 9, T9S, R16E  
S. Wells Draw 8-9-9-16  
SENE Section 9, T9S, R16E  
Duchesne County, Utah

Dear Ms. Herrmann:

Enclosed please find the six Applications for Permits to Drill the S. Wells Draw wells listed above, submitted in triplicate, for your review and approval. The Archeological Surveys and Paleontological Surveys for Section 9, T9S, R16E are also enclosed.

If you have any questions or require any additional information, please contact me or Jon Holst at (303) 893-0102.

Sincerely,

Joyce McGough  
Regulatory Technician

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DIVISION OF  
OIL, GAS AND MINING

Enclosures: Form 3160-3 and attachments (3 copies)

cc: State of Utah  
Division of Oil, Gas & Mining  
ATTN: Lisha Cordova  
1594 West North Temple - Suite 1210  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-65207</b>	
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>	
2. NAME OF OPERATOR <b>Inland Production Company</b>		7. UNIT AGREEMENT NAME <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>410 - 17th Street, Suite 700, Denver, CO 80202</b>		8. FARM OR LEASE NAME <b>S. Wells Draw</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*) At Surface <b>SE NE 1792.2' fnl, 664.7' fel</b> At proposed Prod. Zone <b>4433208 N 575370 E</b>		9. WELL NO. <b>8-9-9-16</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approx 12.7 miles southwest of Myton, Utah</b>		10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>Approx 1792' f/lse line &amp; 1792' f/unit line</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SE NE Sec. 9, T9S, R16E</b>	
16. NO. OF ACRES IN LEASE <b>720</b>		12. County <b>Duchesne</b>	
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>		13. STATE <b>UT</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx 1107'</b>		20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5720' GR</b>		22. APPROX. DATE WORK WILL START*	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
Refer to Monument Butte Field SOP's Drilling Program/Casing Design			

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

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Federal Approval of this  
Action is Necessary

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.  
If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Jon Holst TITLE Counsel DATE 4/5/00

(This space for Federal or State office use)

PERMIT NO. 43-013-32156 APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Bradley G. Hill TITLE RECLAMATION SPECIALIST III DATE 4/24/00

Federal Approval of this  
Action is Necessary

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**T9S, R16E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**

WELL LOCATION, SOUTH WELLS DRAW  
#8-9-9-16, LOCATED AS SHOWN IN THE  
SE 1/4 NE 1/4 OF SECTION 9, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.

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THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

GENE

STEWART

*Dana Stewart*

REGISTERED LAND SURVEYOR

REGISTRATION No. 144182

STATE OF UTAH

STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078

(801) 781-2501

SCALE: 1" = 1000'

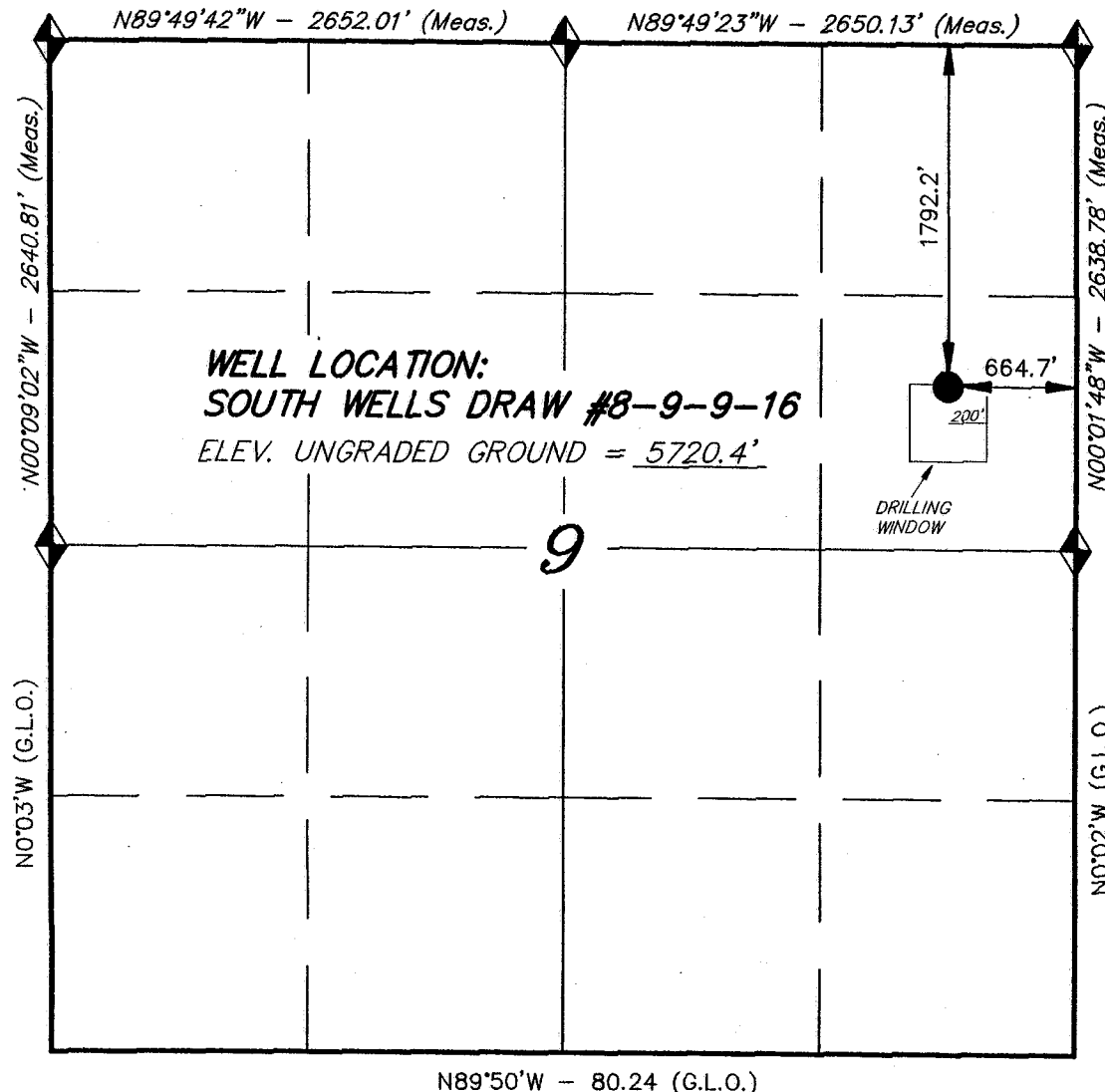
SURVEYED BY: G.S. D.S.

DATE: 11-10-98

WEATHER: COOL

REVISIONS:

FILE #



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

BASIS OF BEARINGS IS A GLOBAL POSITIONING SATELITE OBSERVATION

INLAND PRODUCTION COMPANY  
S. WELLS DRAW #8-9-9-16  
SE/NE SEC 16, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta Formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0 – 1275'
Green River	1275'
Wasatch	6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1275' – 6500' – Oil

4. PROPOSED CASING PROGRAM:

Please refer to the Monument Butte Field SOP.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "F".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

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INLAND PRODUCTION COMPANY  
S. WELLS DRAW #8-9-9-16  
SE/NE SEC 16, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site for the S. Wells Draw #8-9-9-16, SE/NE of Section 9, T9S, R16E, Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 approximately 1.6 miles to the junction of this highway and Utah State Highway 216; proceed southerly and then southeasterly along Utah State Highway 216 approximately 10.05; turn and proceed westerly approximately 5.13 miles along this road to the proposed well site.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "D"

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP. See Exhibit "E".

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8. **ANCILLARY FACILITIES:**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT:**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s). Refer to Exhibits "E" and "E-1".

10. **PLANS FOR RESTORATION OF SURFACE:**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP:** Bureau of Land Management

12. **OTHER ADDITIONAL INFORMATION:**

The Archaeological Cultural Resource Survey is attached.

Inland Production Company requests a 60' ROW for the S. Wells Draw #8-9-9-16 to allow for construction of a 6" poly gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. Refer to Topographic Map "C".

Inland Production Company also requests a 60' ROW be granted for the S. Wells Draw #8-9-9-16 to allow for construction of a 3" steel water injection line and a 3" poly water return line. Refer to Topographic Map "C".

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Jon Holst  
Address: 410 Seventeenth Street  
Suite 700  
Denver, CO 80202  
Telephone: (303) 893-0102

Certification

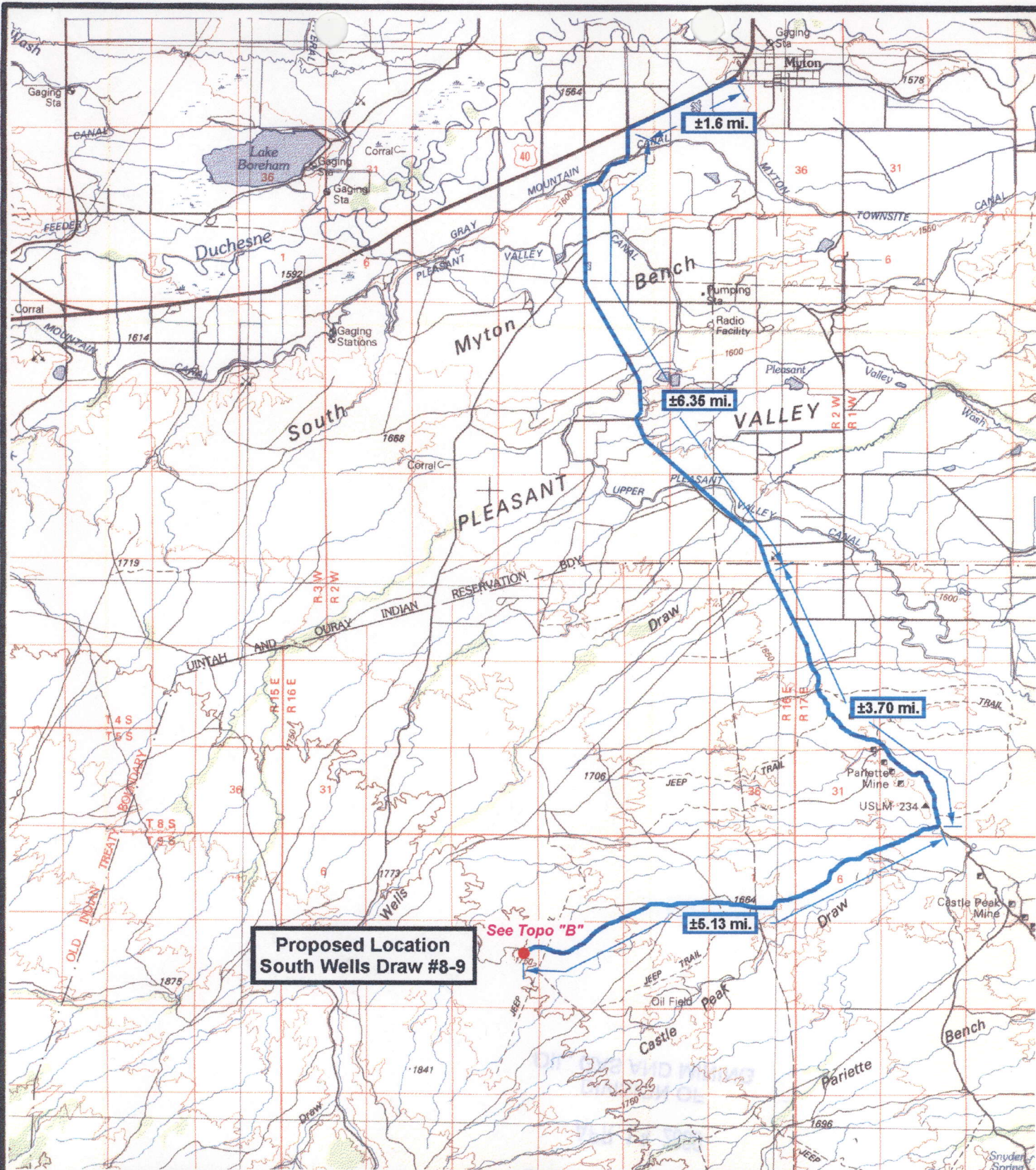
Please be advised that INLAND RESOURCES, INC. is considered to be the operator of the S. Wells Draw #8-9-9-16, SE/NE Sec. 9, T9S, R16E, Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

4/29/00  
Date

Jon Holst  
Counsel





**Proposed Location  
South Wells Draw #8-9**

See Topo "B"

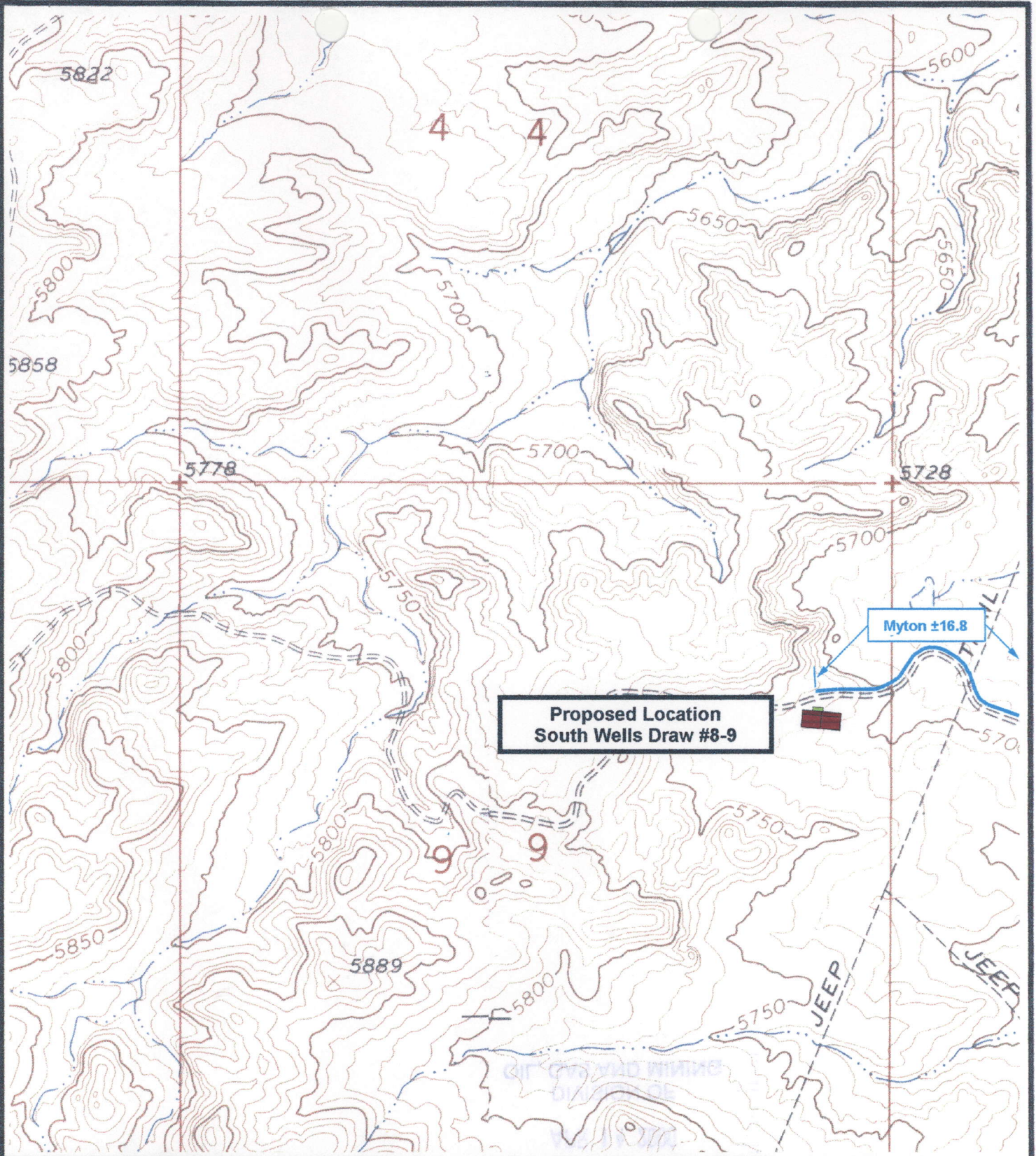


**SOUTH WELLS DRAW #8-9  
SEC. 9, T9S, R16E, S.L.B.&M.  
TOPOGRAPHIC MAP "A"**



Drawn By: ML	Revision:
Scale: 1 : 100,000	File: ILSWD8-9A
Date: 11/9/98	
<b>Tri-State Land Surveying Inc.</b> <b>P.O. Box 533, Vernal, UT 84078</b> <b>435-781-2501 Fax 434-781-2518</b>	





**SOUTH WELLS DRAW #8-9**  
**SEC. 9, T9S, R16E, S.L.B.&M.**  
**TOPOGRAPHIC MAP "B"**



Drawn By: ML

Revision:

Scale: 1" = 1000'











File: ILSWD8-9B

Date: 11/11/98

**Tri-State Land Surveying Inc.**  
**P.O. Box 533, Vernal, UT 84078**  
**435-781-2501 Fax 434-781-2518**



[illegible]

-  INJ
-  WTR
-  SWD
-  OIL
-  GAS
-  DRY
-  SHUTIN
-  SUSPENDED
-  ABND
-  Injection Stations  
Unit Sections



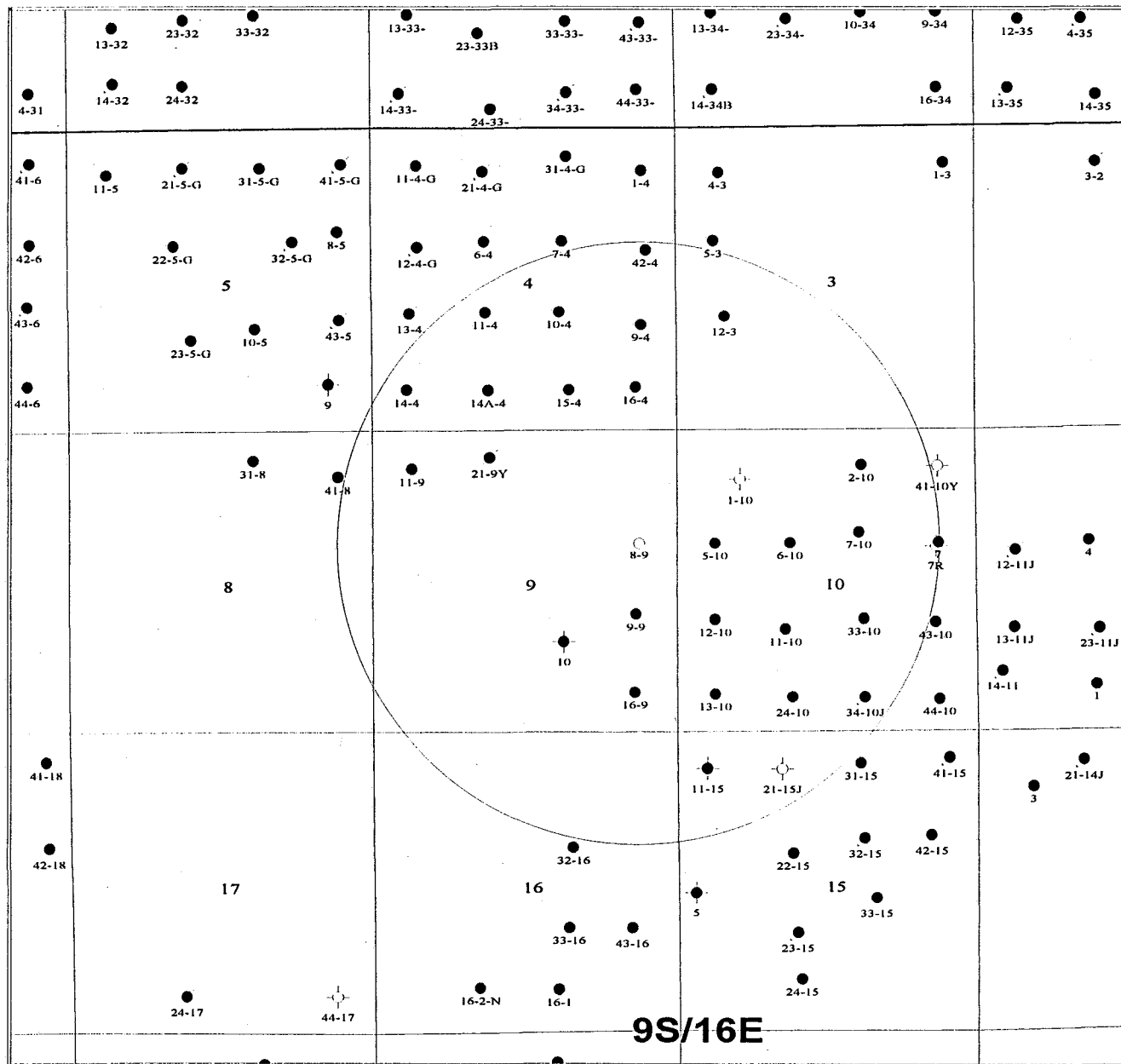
410 17<sup>th</sup> Street Suite 700  
Denver, Colorado 80202  
Phone: (303)-893-0102

## UINTA BASIN

Duchenne &amp; Uintah Counties, Utah

Date: 11.15.99

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EXHIBIT D

INLAND PRODUCTION COMPANY

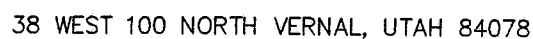
One Mile Radius  
South Wells Draw #8-9-9-16

Josh Anselon

3/29/2000

Scale 1:3456783

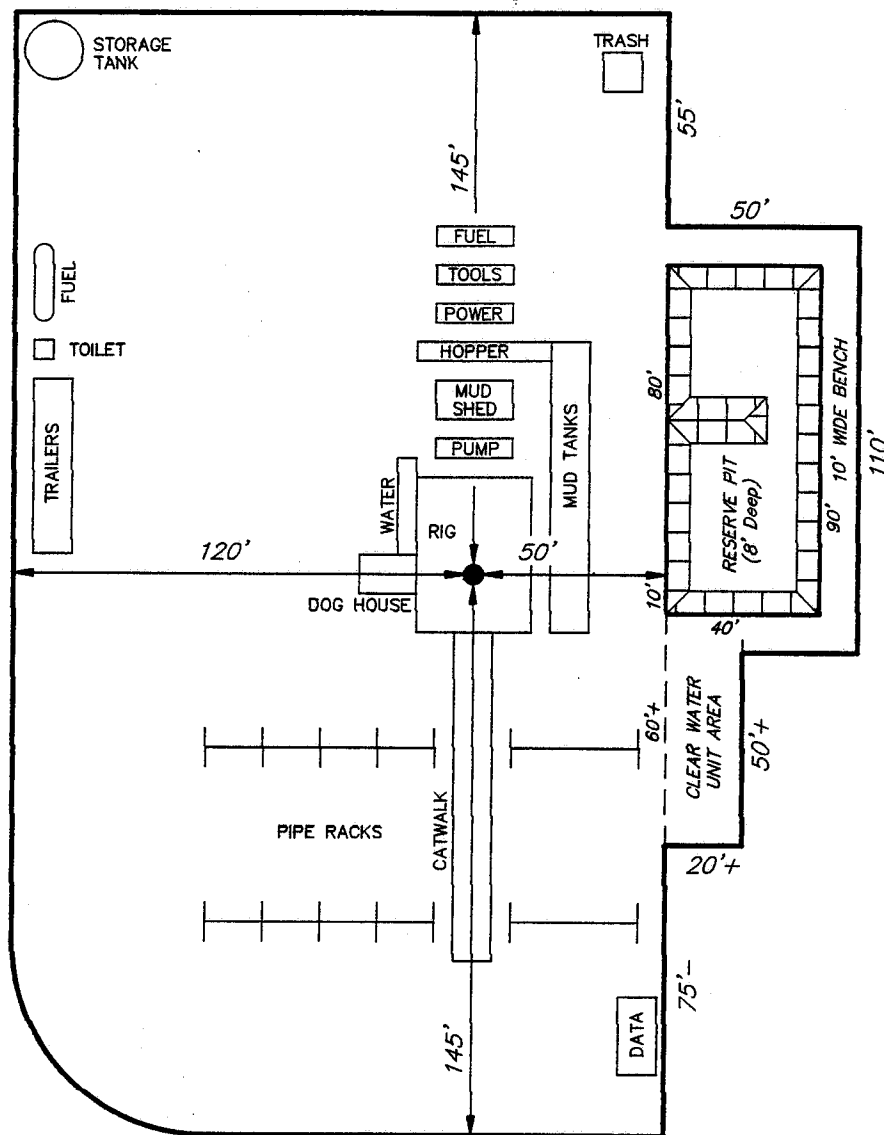
*SOUTH WELLS DRAW #8-9-9-16*  
*SEC. 9, T9S, R16E, S.L.B.&M.*





# TYPICAL RIG LAYOUT

## SOUTH WELLS DRAW #8-9-9-16 EXHIBIT E



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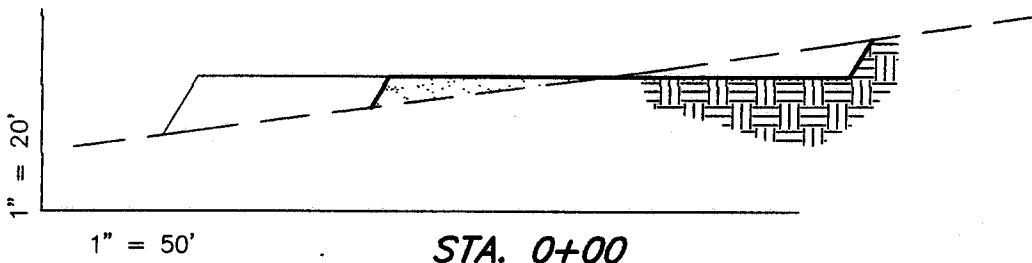
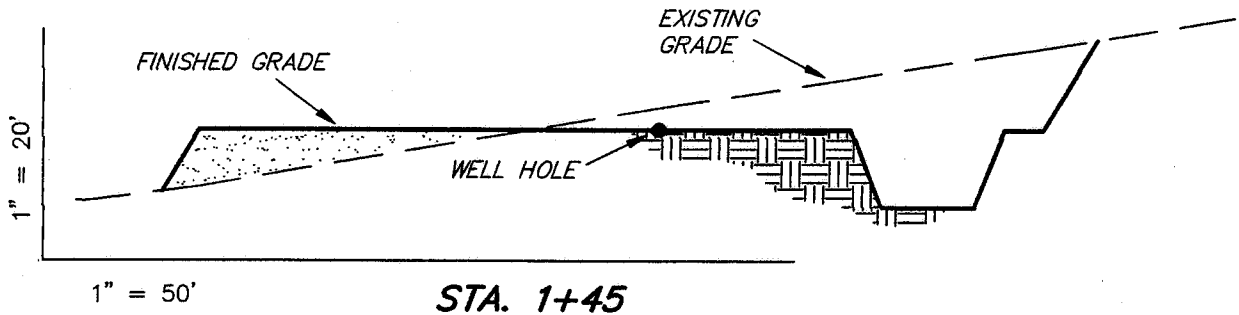
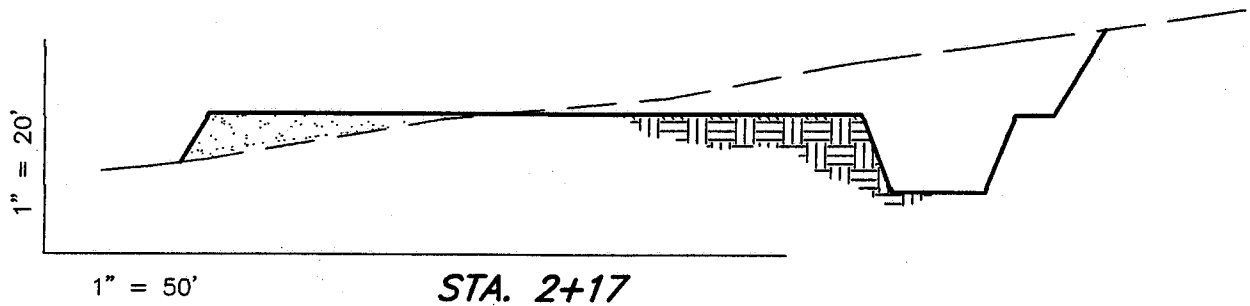
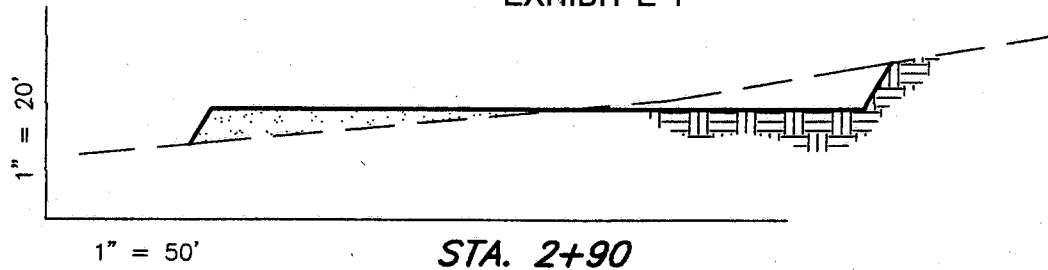
DIVISION OF  
OIL, GAS AND MINING

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH, VERNAL, UTAH 84078

# CROSS SECTIONS

## SOUTH WELLS DRAW #8-9-9-16

EXHIBIT E-1



### APPROXIMATE YARDAGES

CUT = 3,340 Cu. Yds.

FILL = 3,340 Cu. Yds.

PIT = 920 Cu. Yds.

6" TOPSOIL = 1,030 Cu. Yds.

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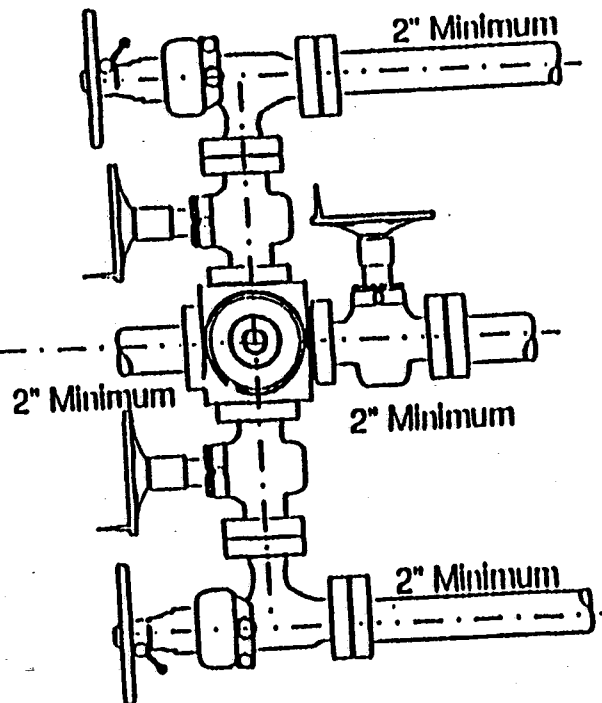
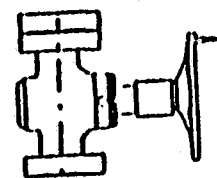
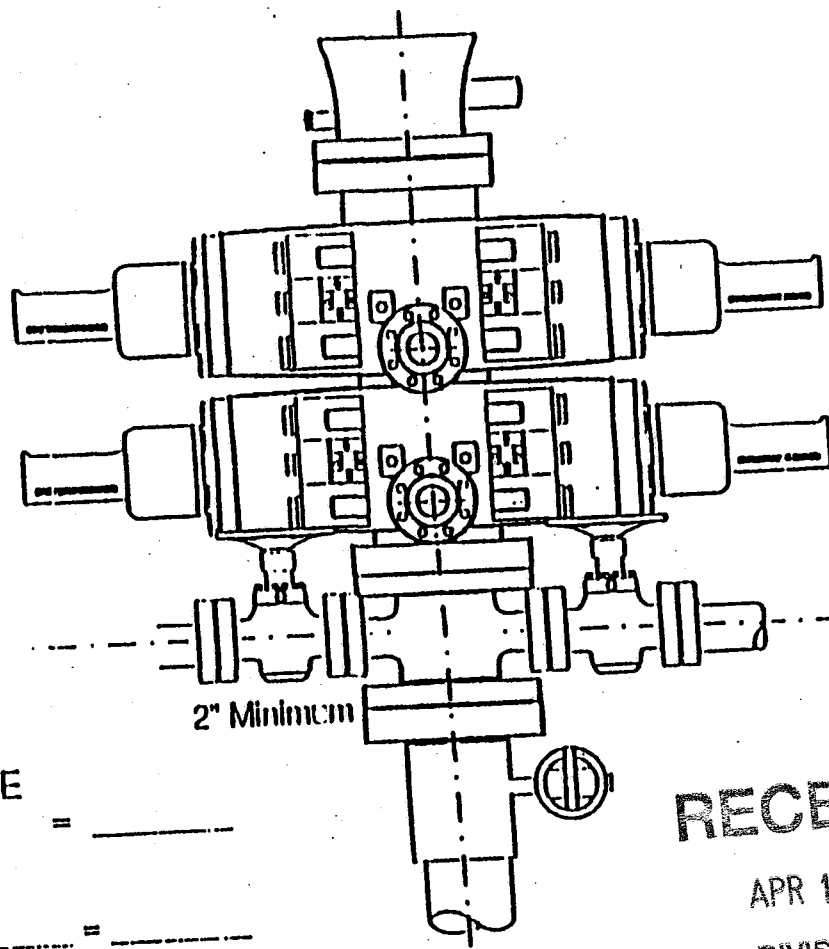
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B.O.P.

## 2-M SYSTEM



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● O CLOSE

ar BOP

ype BOP

Rams x

= \_\_\_\_\_ Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.

Adding off to the next higher  
amount of 10 gal. would require  
... Gal. (total fluid & nitro volume)

EXHIBIT F

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: S. Wells Draw 8-9-9-16

Lease Number: UTU-65207

Location: SE/NE Sec 9, T9S, R16E

**GENERAL**

Access pad from existing road.

**CULTURAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**PALEONTOLOGICAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**SOILS, WATERSHEDS, AND FLOODPLAINS**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**WILDLIFE AND FISHERIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

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## THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61*.

**BURROWING OWL:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and July 15. No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.

**MOUNTAIN PLOVER:** If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

OTHER

INLAND RESOURCES INC.  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

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## ARCHAEOLOGICAL REPORT

South Wells Draw #8-9-9-16  
SE NE Sec. 9-T9S-R16E  
Duchesne County, Utah

# CULTURAL RESOURCE EVALUATION OF VARIOUS LARGE TRACTS IN THE WELLS DRAW TO PARIETTE BENCH LOCALITY IN DUCHESENE & UINTAH COUNTIES, UTAH

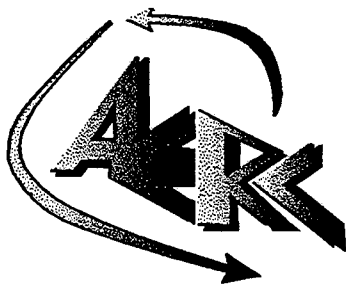
Report Prepared for Inland Resources, Inc.

Department of Interior Permit No.: UT-98-54937

Utah State Project No.: UT-98-AF-0164bs

AERC Project 1598 (IPC98-4)

Author of the Report:  
F. Richard Hauck, Ph.D



## ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION

181 North 200 West, Suite 5 -- Bountiful, Utah 84010

P.O. Box 853, Bountiful, Utah 84011

Phone: (801) 292-7061, 292-9668

FAX: (801) 292-0614

E-mail: [ari@xmission.com](mailto:ari@xmission.com) Web page: [www.ari-aerc.org](http://www.ari-aerc.org)

July 21, 1998

## Abstract

A series of intensive cultural resource examinations has been conducted for Inland Resources, Inc. of seven project tracts situated in the Wells Draw to Pariette Bench locality of Duchesne and Uintah Counties, Utah. These parcels include portions of Sections 12 and 7 in the **Ashley Unit** (T. 9 S., R. 15 & 16 E.), portions of Sections 2, 3, 4, 9, and 10 in the **South Wells Draw Unit** (T. 9 S., R. 16 E.), portions of Sections 35 and 36 (T. 8 S., R. 17 E.) and 2 (T. 9 S., R. 17 E.) in the **Odekirk Springs Unit**, and portions of Sections 15, 18, and 22 in the **South Pleasant Valley Unit** (T. 9 S., R. 17 E.). The purpose of this report is to detail the result of these evaluations.

A total of 3,919 acres is incorporated into this report as examined for the presence of cultural resources preparatory to the development of Inland's well pads, access roads, and pipeline corridors in these project tracts. A total of 2,950 acres (75%) within the proposed development tracts is situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. The remaining 969 acres (25%) are situated on Utah State lands administrated by the Division of State School Trust Lands.

Field examinations were initially conducted in December 1997 and January 1998 and then again from mid-April through early June 1998. AERC archaeologists that participated on the project include Marcel Corbiel, Donna Daniels, Kris Kunkel, Alan Hutchinson, Stance Hurst, Christy Gobber, Richard Francisca, Tammy Gibson, Scott Edmisten, and Christopher Davies. The field survey program was conducted under the direction of Glade Hadden, and/or F.R. Hauck. This work was done under Utah project UT-98-AF-0164bs, which expires on December 31, 1998.

A total of 28 prehistoric sites (42DC 1149, 1150, 1155-1166, 1171, 1174-1177 and 42UN 2532-2538, 2552, 2566) and four isolated diagnostic artifacts (1598B/x1, 1598K/x2, 1598R/x1 & 1598R/x2) were identified and recorded during this project. Sites 42DC 1155, 1156, 1157, 1160, 1163, 1164, 1165, 1166, 1171, 1176, 1177 and 42UN 2532, 2533, 2534, 2536, and 2566 are considered non-significant cultural resources. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538, and 2552 are considered significant cultural resource under criteria established for the documentation of National Register of Historic Places (36CFR60.6).

No previously recorded significant or National Register eligible cultural resources will be adversely affected by well location development and access/pipeline route corridor development within the acreage cleared and reported within this document with adherence to the recommendations provided in the final section of this report.



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## GENERAL INFORMATION

Between April 13 and June 9, 1998, a variety of AERC archaeologists including Kris Kunkel, Alan Hutchinson, Stance Hurst, Christy Gobber, Scott Edmisten, Richard Francisco, Patrick Walker, and Christopher G. Davies acting under the direction of Glade Hadden and/or F.R. Hauck, conducted intensive cultural resource evaluations of seven acreage tracts situated between the Wells Draw locality of Duchesne County on the West, and the Pariette Bench locality of Uintah County on the East, in the Uinta Basin region of eastern Utah (see Map 1). Cultural evaluations within these tracts actually began in the winter of 1997-97 as initially reported in Hauck and Hadden 1997.

These seven project tracts are actually associated with Inland Resource's **Ashley, South Wells Draw, Odekirk Springs, and South Pleasant Valley Units**. These tracts include portions of Sections 12 and 7 in the **Ashley Unit** (T. 9 S., R. 15 & 16 E.), portions of Sections 2, 3, 4, 9, and 10 in the **South Wells Draw Unit** (T. 9 S., R. 16 E.), portions of Sections 35 and 36 (T. 8 S., R. 17 E.) and 2 (T. 9 S., R. 17 E.) in the **Odekirk Springs Unit**, and portions of Sections 15, 18, and 22 in the **South Pleasant Valley Unit** (T. 9 S., R. 17 E.).

A total of 3,919 acres is incorporated into this report as examined for the presence of cultural resources preparatory to the development of Inland's well pads, access roads, and pipeline corridors in these project tracts. A total of 2950 acres (75%) within the proposed development tracts is situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah. The remaining 969 acres (25%) are situated on Utah State lands administrated by the Division of State School Trust Lands.

The purpose of this field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf. Title 36 CFR 60.6). The future oil/gas development within these various tracts requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management, and to the Utah State Antiquities Section, Division of State History.

### Project Location

The project area extends from the Wells Draw locality of Duchesne County eastward to the Pariette Bench locality of Uintah County, Utah. The seven tracts under investigation are situated on

**MAP 1**  
**PROJECT AREA FOR THE**  
**INLAND RESOURCES 1998**  
**DEVELOPMENT PROGRAM**



**PROJECT:** IPC98-4  
**SCALE:** 1: 200,650  
**DATE:** 7/ 20/ 98



# PROJECT AREA

**TOWNSHIP:** multiple  
**RANGE:** multiple  
**MERIDIAN:** multiple

Utah Geological and Mineral Survey  
 Map 43 1977

Physiographic Subdivisions of Utah  
 by W.L. Stokes

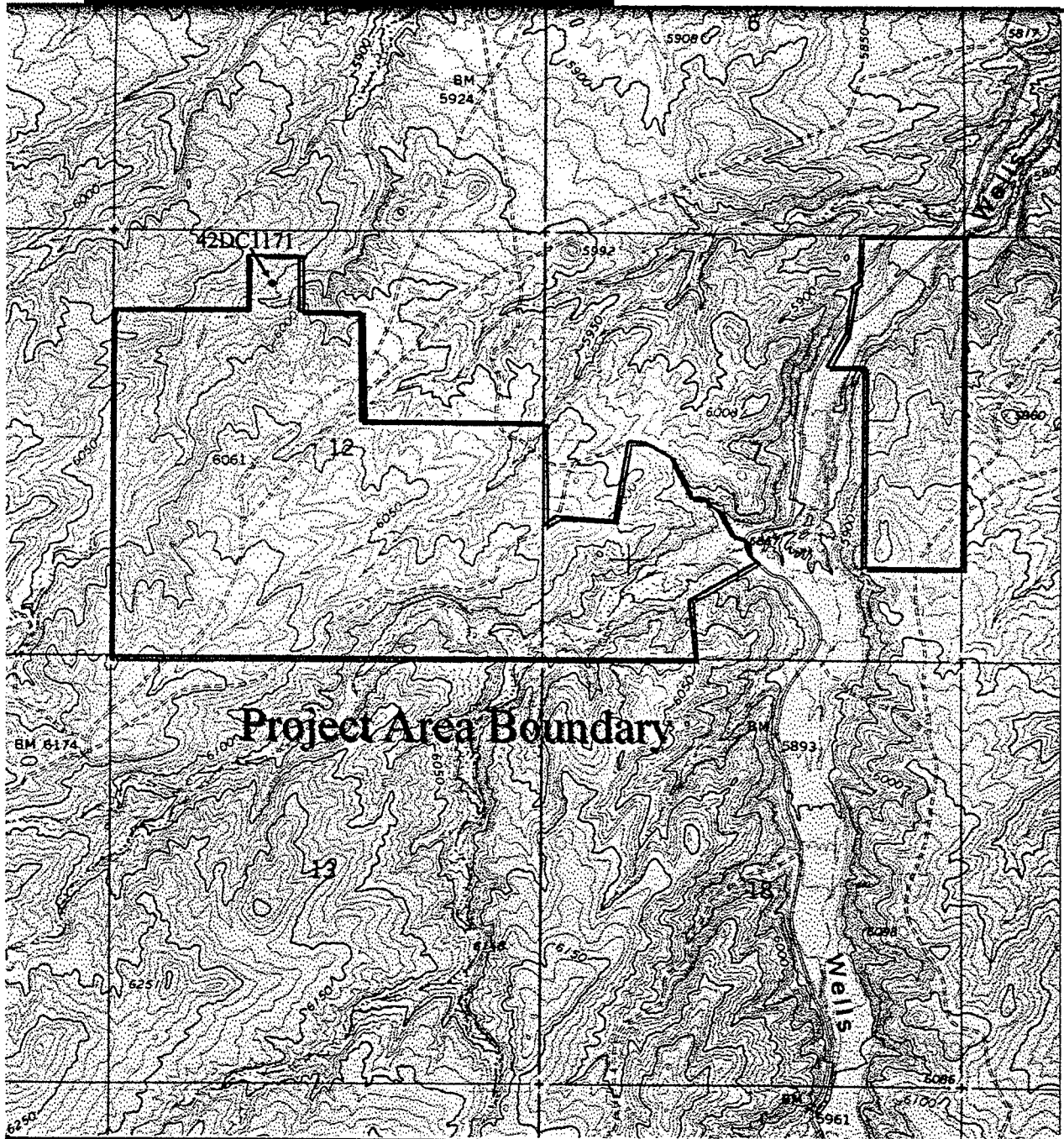




**MAP: 2**  
**CULTURAL RESOURCE SURVEY**  
**OF INLAND'S ASHLEY UNIT**  
**IN THE WELLS DRAW LOCALITY**  
**OF DUCHESNE COUNTY, UTAH**



**PROJECT:** IPC98-4  
**SCALE:** 1:24,000  
**QUAD:** Myton SW  
**DATE:** July 8, 1998



**TOWNSHIP:** 9 South  
**RANGE:** 15 and 16 East  
**MERIDIAN:** SL B. & M.

**LEGEND**



**Area**  
**Inventoried**



**CULTURAL**  
**SITE**



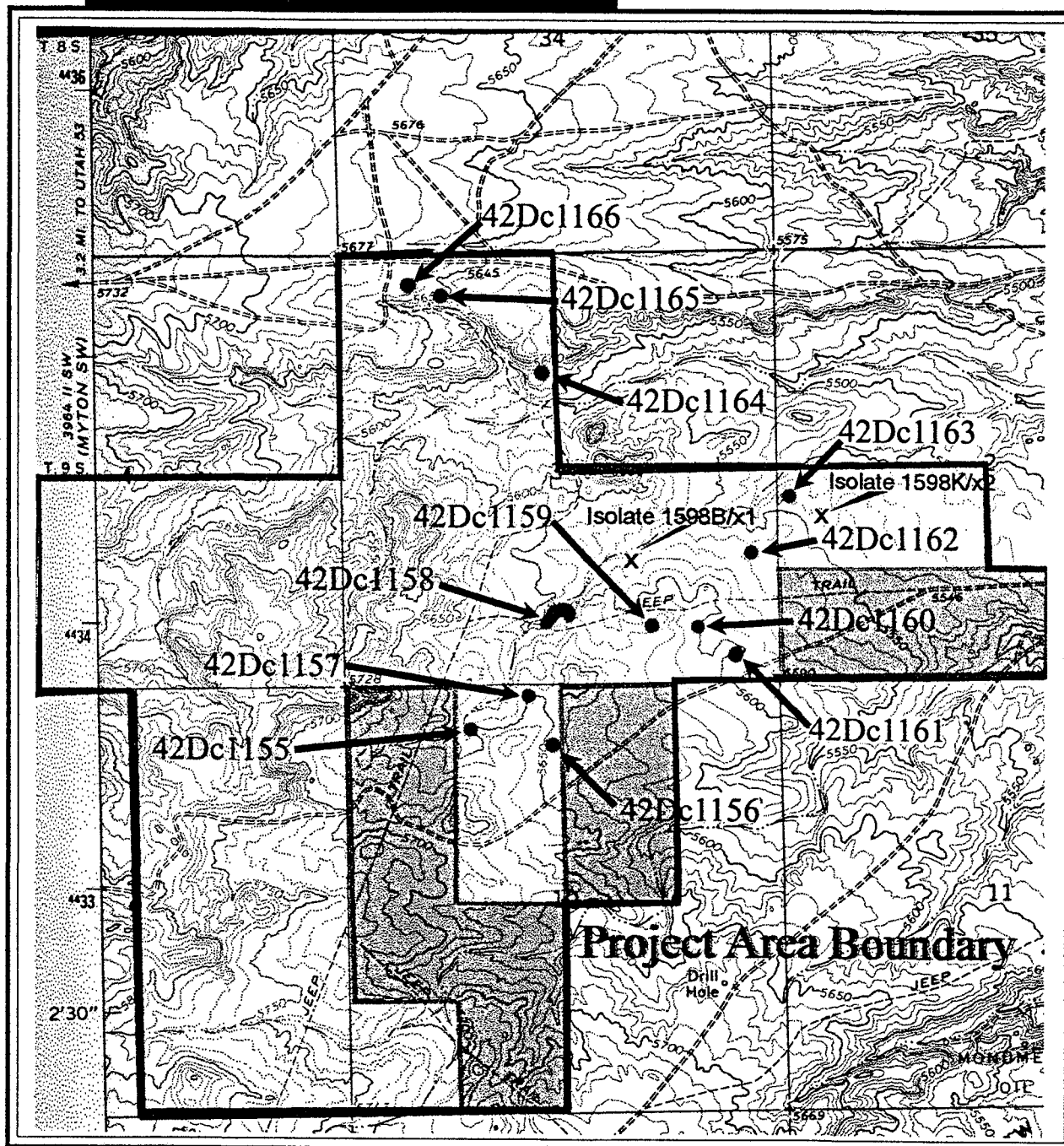


**MAP: 3**  
**CULTURAL RESOURCE SURVEY**  
**OF INLAND'S SOUTH WELLS DRAW**  
**UNIT IN THE CASTLE PEAK DRAW**  
**LOCALITY OF UINTAH COUNTY, UTAH**

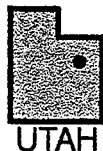


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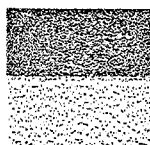
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**SCALE:** 1:24,000  
**QUAD:** Myton SE  
**DATE:** July 3, 1998



**LEGEND**



**TOWNSHIP:** 9 South  
**RANGE:** 16 East  
**MERIDIAN:** SL B. & M.



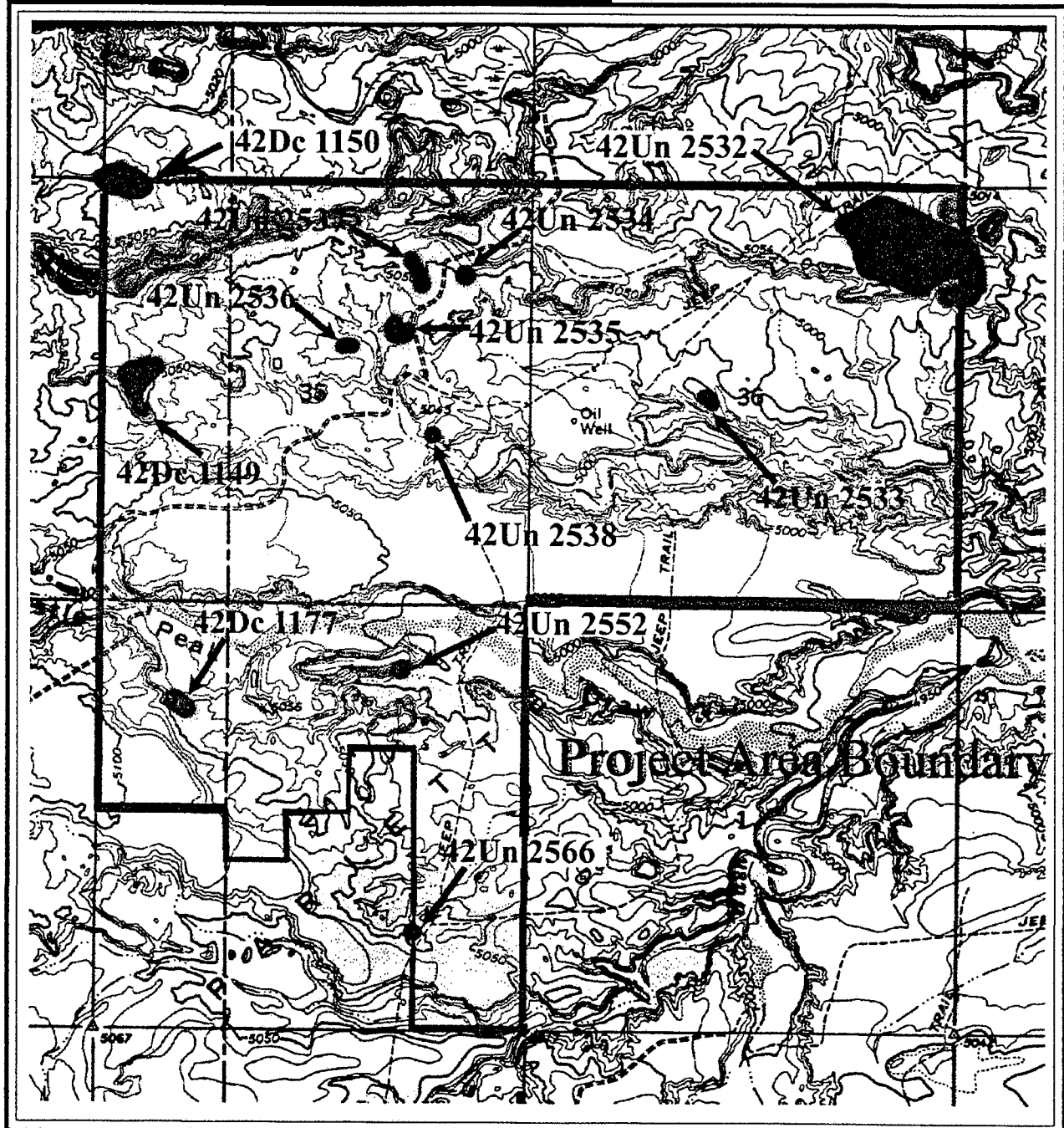
Area Reported in  
IPC97-5A & 98-3B  
Reports  
Area Reported  
Pertinent to this  
Report

● CULTURAL  
SITE  
X ISOLATED  
ARTIFACT

**MAP 4: CULTURAL RESOURCE  
SURVEY OF INLAND'S ODEKIRK  
SPRINGS UNIT IN THE CASTLE PEAK  
DRAW LOCALITY OF DUCHESNE &  
UINTAH COUNTIES, UTAH**



**PROJECT:** IPC98-4  
**SCALE:** 1:24,000  
**QUAD:** Pariette Draw SW  
**DATE:** July 3, 1998



**LEGEND**



**TOWNSHIP:** 8 and 9 South  
**RANGE:** 17 East  
**MERIDIAN:** SL B. & M.



**Area  
Inventoried**

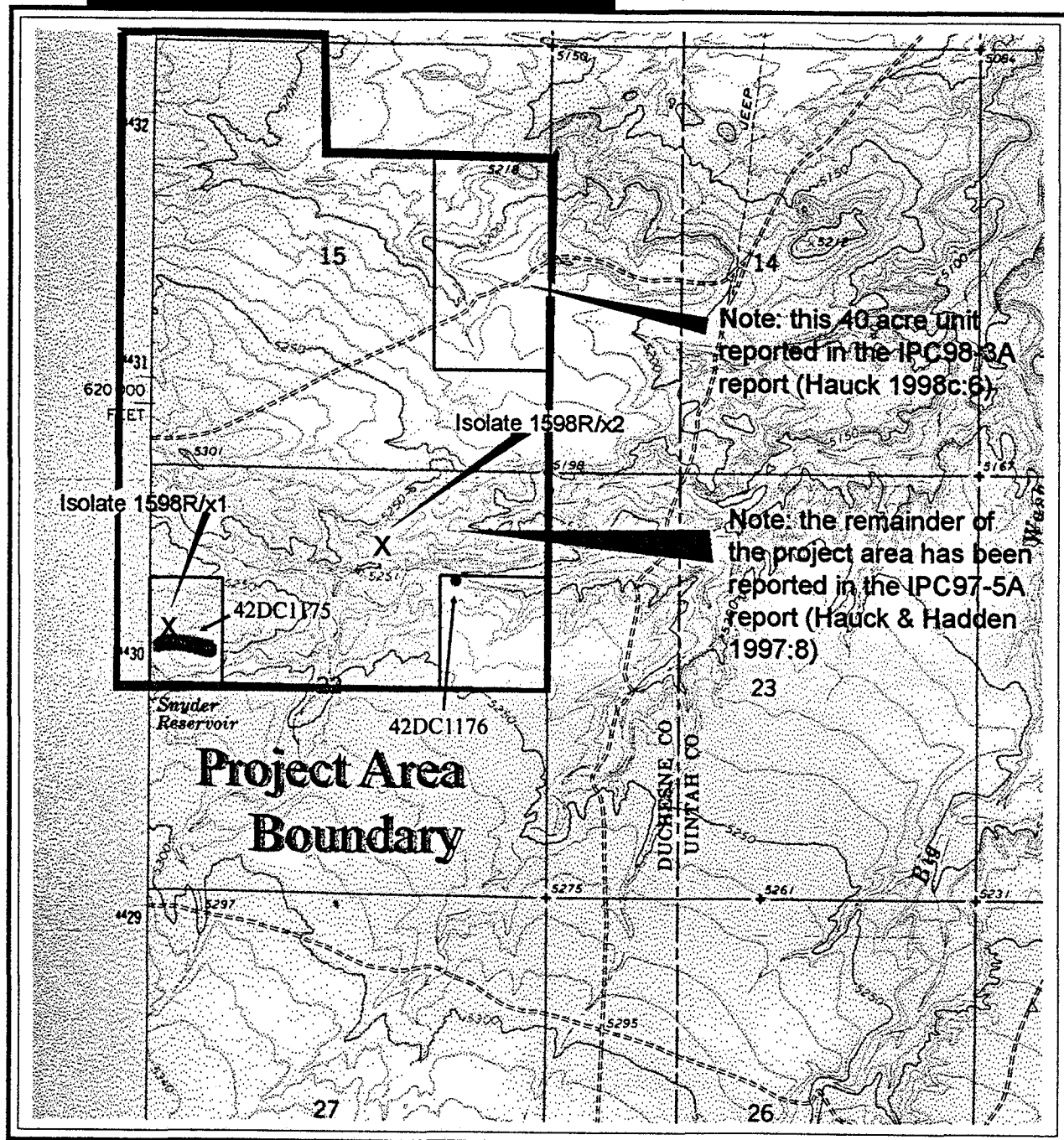
**• CULTURAL  
SITE**



**MAP: 6 CULTURAL RESOURCE  
SURVEY OF INLAND'S SOUTH  
PLEASANT VALLEY UNIT IN THE  
PARIETTE BENCH LOCALITY  
OF DUCHESNE COUNTY, UTAH**



**PROJECT:** IPC98-4  
**SCALE:** 1:24,000  
**QUAD:** Pariette Draw SW  
**DATE:** July 9, 1998

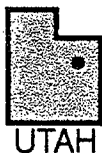
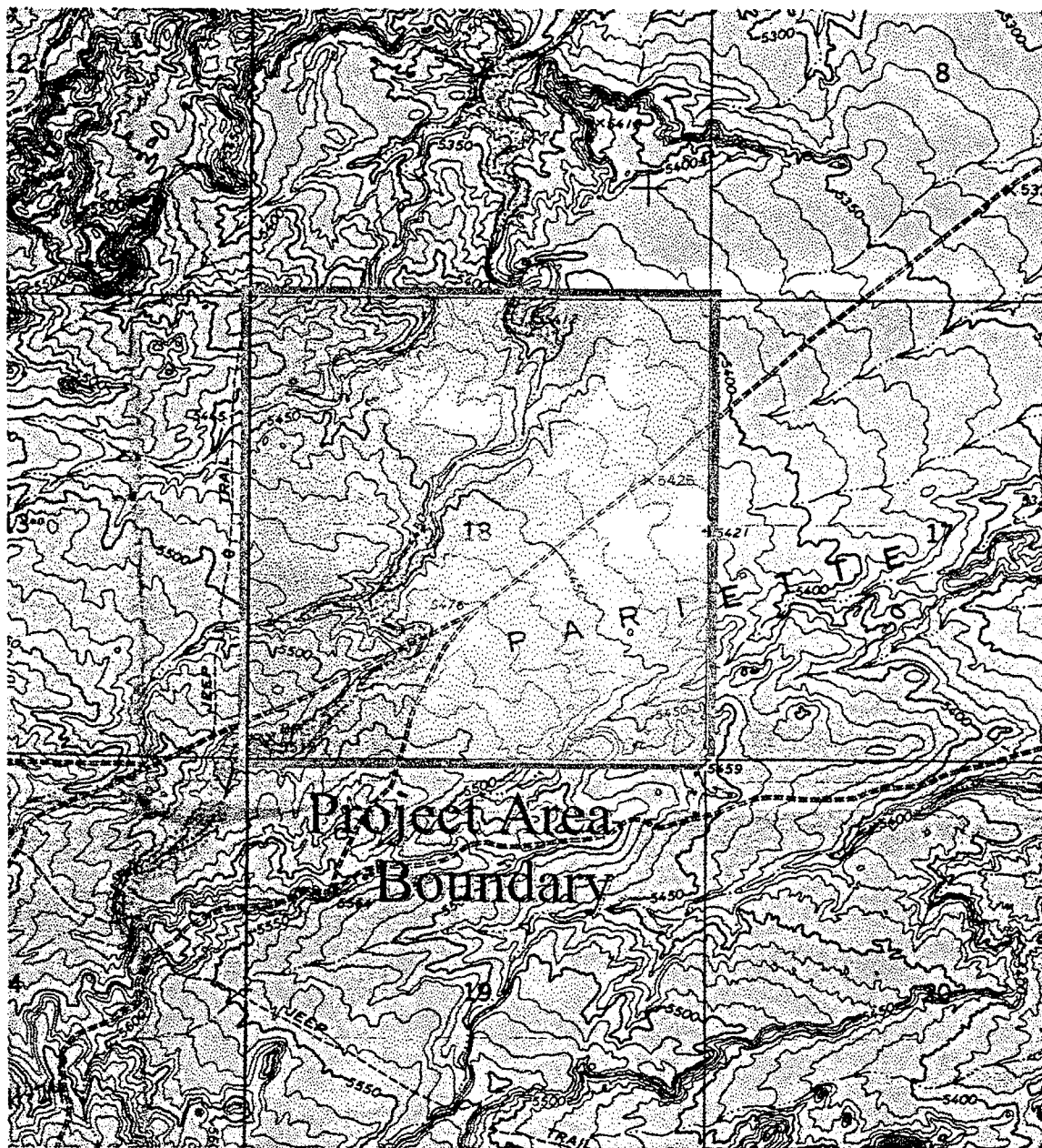




**MAP 7:  
CULTURAL RESOURCE SURVEY  
OF INLAND BULK ACREAGE IN THE  
SOUTH PLEASANT VALLEY LOCALITY  
OF DUCHESNE COUNTY, UTAH**



**PROJECT:** IPC98-4  
**SCALE:** 1:24,000  
**QUAD:** Myton SE, Utah  
**DATE:** July 9, 1998



**TOWNSHIP:** 9 South  
**RANGE:** 17 East  
**MERIDIAN:** SL B. & M.

**LEGEND**



Bulk Acreage Survey Evaluated in  
1997 as Reported in Hauck &  
Hadden 1997:5 (IPC97-5A, Map 4)

Bulk Acreage Survey Completed in  
Spring 1998 for this Report

the Myton SE, Myton SW, and Pariette Draw SW 7.5 minute USGS quads as shown on Map 2 through Map 7. The seven inventoried tracts are located in the following Lease Units:

**Ashley Unit (see Map 2)**

Evaluated parcels in this unit, as reported in this current document, total 689 acres and include the southern half and portions of the northwest and northeast quarters of Section 12, Township 9 South, Range 15 East (Salt Lake B. & M.). Portions of the southwest quarter, the northeast quarter, and the southeast quarter of Section 7, Township 9 South, Range 16 East are also included.

This acreage includes the following locations: 3-12, 5-12, 6-12, 9-12, 10-12, 11-12, 13-12, 14-12, 15-12, 16-12 (all in Section 12), and 1-7, 8-7, 9-7, 11-7, 13-7, and portions of 14-7 (all in Section 7).

**South Wells Draw Unit (see Map 3)**

Evaluated portions of this unit, as reported in this current document, total 1,240 acres and include the northern half of the southwest quarter of Section 2, all of Section 3 except for the northeast quarter, the southeast quarter and the eastern half of the southwest quarter of Section 4, the eastern half of Section 9, and the eastern half of the northwest quarter and the southwest quarter of the southwest quarter of Section 10, Township 9 South, range 16 East.

This acreage includes the following locations: 11-2 and 12-2 (in Section 2), 3-3, 4-3, 5-3, 6-3, 9-3, 10-3, 11-3, 12-3, 13-3, 14-3, 15-3, and 16-3 (in Section 3), 9-4, 10-4, 11-4, 12-4, 13-4, 14-4, 15-4, and 16-4 (in Section 4), 1-9, 2-9, 7-9, 8-9, 9-9, 10-9, 15-9, 16-9 (in Section 9), and 3-10, 6-10, and 13-10 (in Section 10).

**Odekirk Springs Unit (see Map 4)**

Evaluated portions of this unit, as reported in this current document, total 1,529 acres and include Sections 35 and 36 of Township 8 South, Range 17 East. In addition, portions of the northwest, northeast, and southeast quarters of Section 2, Township 9 South, Range 17 East were also evaluated.

This acreage includes the following locations: 1-35 through 16-35 in Section 35, 1-36 through 16-36 in Section 36, and previously unevaluated acreage associated with units 1-2, 2-2, 3-2, 4-2, 5-2, 6-2, 7-2 8-2, 9-2, and 16-2 all in Section 2.

**South Pleasant Valley Unit (see Maps 5, 6, and 7)**

Evaluated portions of this unit total 461 acres and include the southeast quarter of the northeast quarter and the northeast quarter of the southeast quarter of Section 15 (also noted in

Hauck 1998c), portions of the northeast, northwest and southwest quarters of Section 18, and, in Section 22, the southwest quarter of the northwest quarter and the southeast quarter of the northeast quarter.

This acreage includes the following locations: 8-15 and 9-15 in Section 15 (previously reported in Hauck 1998c), units 2-18, 4-18, 5-18, 6-18, and portions of 7-18, 11-18, 12-18, 13-18, and portions of 14-18 in Section 18, and 5-22, 8-22 in Section 22.

### **Environmental Description**

The various project tracts associated with this report are within the 5200 to 6100 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lake bed surfaces are affiliated with the entire project area.

The vegetation in the project area includes rabbit brush (*Chrysothamnus spp.*), sagebrush (*Artemisia spp.*), Winterfat (*Ceratoides lanata*) greasewood (*Sarcobatus spp.*), Sulphur flower Buckwheat (*Eriogonum umbellatum*) Mormon tea (*Ephedra viridis*), Halogeton, Mountain Mahogany (*Cercocarpus spp.*), saltbush (*Atriplex canescens*), and a variety of grasses.

The geological associations within the project area consist of Quaternary age sand and gravel deposits and fluvial lake deposits which correlate with the Uintah Formation of Tertiary age throughout the remainder of the tracts being considered in this report.

## **PREVIOUS RESEARCH IN THE LOCALITY**

### **File Search**

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 6, 1997 in association with the primary project as requested by Inland Resources, Inc. A similar search was conducted in the Vernal District Office of the BLM on November 10, 1997 and March 18, 1998. Searches were also initiated during the spring of 1998 in order to check various parcels added to the evaluation by Inland Resources. The National Register of Historic Places was consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the general locality. Many of these prehistoric resources were identified and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf., Fike and Phillips 1984, Hauck and Weder 1989, Hauck (various), Hauck and Hadden 1993, 1994, 1995, 1996, 1997).

## Prehistory of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 - 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. - 300 A.D.), and Formative (ca. A.D. 400 - 1100) stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 - 1850) to conclude in the Historic-Modern Period which was initiated with the incursion of the Euro-American trappers, explorers and settlers. Basically, each cultural stage--with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands--features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see *Archaeological Evaluations in the Northern Colorado Plateau Cultural Area* (Hauck 1991).

## Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places. The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "tap and test" variety, and extend for tens of hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Early and Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of both Llano and Plano style projectile points as isolated artifacts and from archaeological sites. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numic) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e. Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section for a site/acre ratio ranging between 1/80 and 1/53 in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits. In the Wells Draw and Castle Peak Draw localities, site density appears to be very high (possibly as high as the site/acre ratio of 1/25), especially in areas near water courses and seep sources.



## FIELD EVALUATIONS

### Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects within the various tracts as defined above for this project area. Thus, 3,919 acres were inventoried relative to this present project.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms.

In certain instances, the cultural sites are evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. of North Salem, New Hampshire). GPR was not used during this project.

Following these field analyses, cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are developed by the principal investigator in consultation with both the client and relevant governmental agencies as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

*The quality of significance in American . . . archaeology . . . and culture is present in . . . sites . . . that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:*

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction . . . ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Register of Historic Places.

### **Results of the Inventory**

A total of 28 prehistoric archeological sites and four isolated artifacts was recorded during the archaeological evaluation of the various tracts in this project area. These sites consist of 42DC 1149, 1150, 1155-1166, 1171, 1174-1177 and 42UN 2532-2538, 2552, and 2566. A brief description of each site, the site maps, cultural significance determinations, and mitigation recommendations are provided in this portion of the report. A discussion of the four isolated diagnostic artifacts (1598B/x1, 1598K/x2, 1598R/x1 & 1598R/x2) follows the site discussion.

#### **Site 42DC 1149 (see Maps 4 and 8)**

This site is a large, diffuse scatter of lithic debitage, cores and tools on an elevated bench and ridge complex associated with stabilized aeolian deposits. The site occupation area occurs in and among a large sandstone outcrop or monolith at the highest/westernmost edge of the scatter area. Fire cracked rock concentrations, tools and shatter predominate at the occupation area, while primary flakes, cores and shatter occur at low rates across the remainder of the site.

##### **Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Units 5-35 and 12-35.**

#### **Site 42DC 1150 (see Maps 4 and 9)**

This site consists of a very large dispersed scatter of lithic debitage in all stages of reduction and tool manufacture, tools and hearth remains along the top and sides of a large dune. Artifacts are eroding from the dune field and are exposed in blowouts and along the dune.

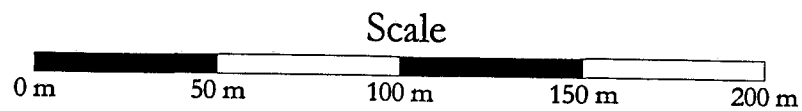
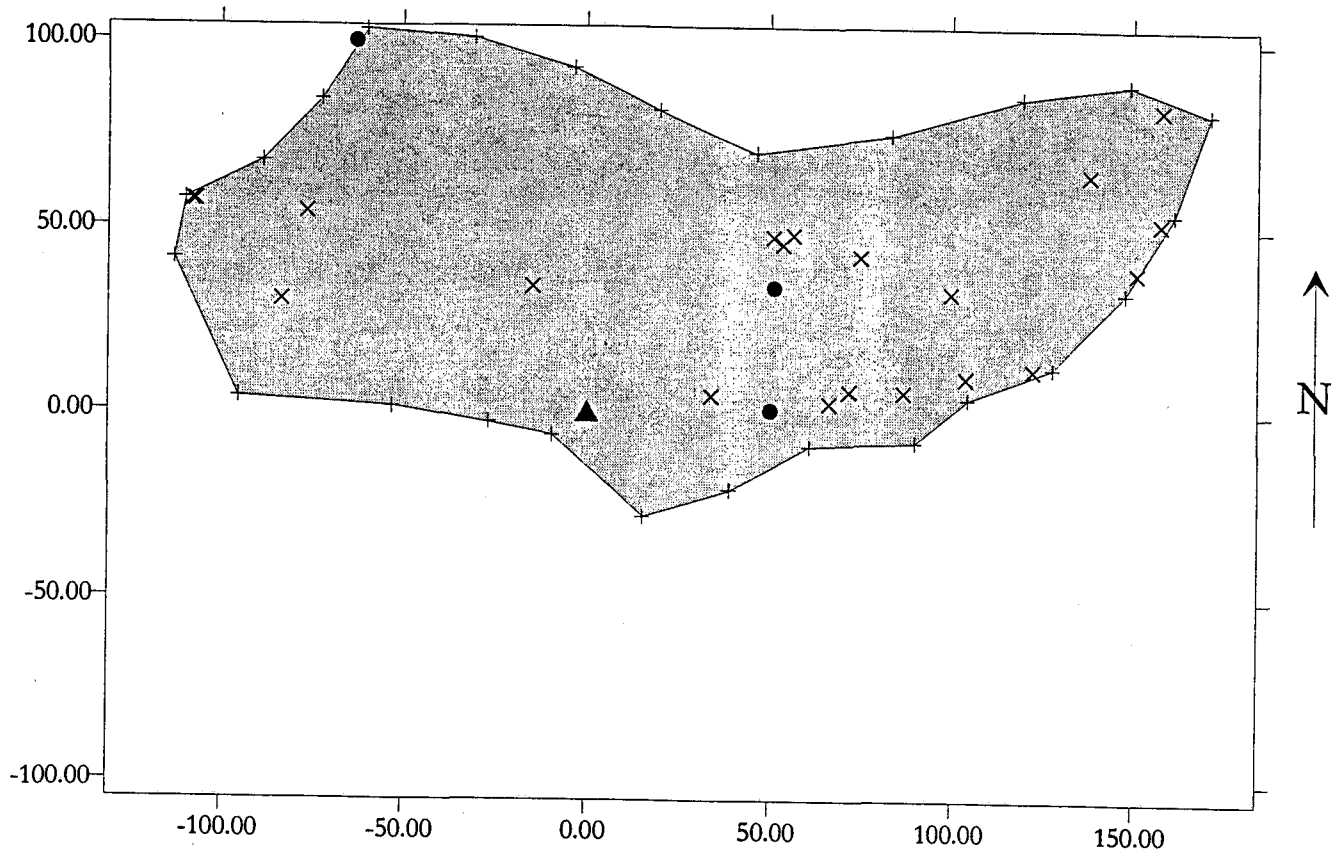
##### **Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Unit 4-35.**

# MAP 8: SITE 42DC 1149

14

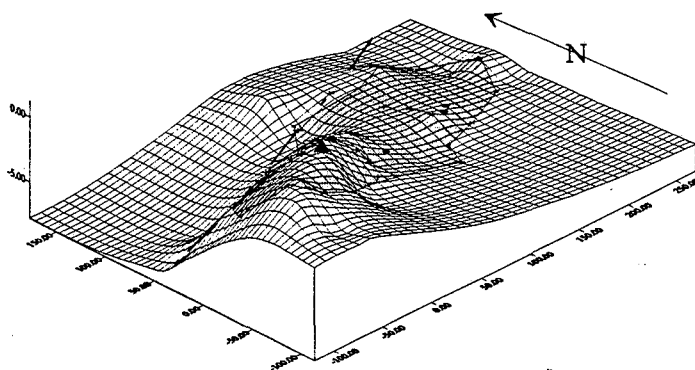
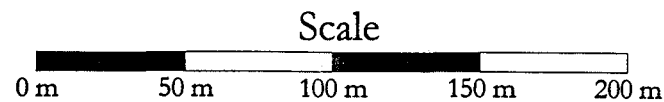
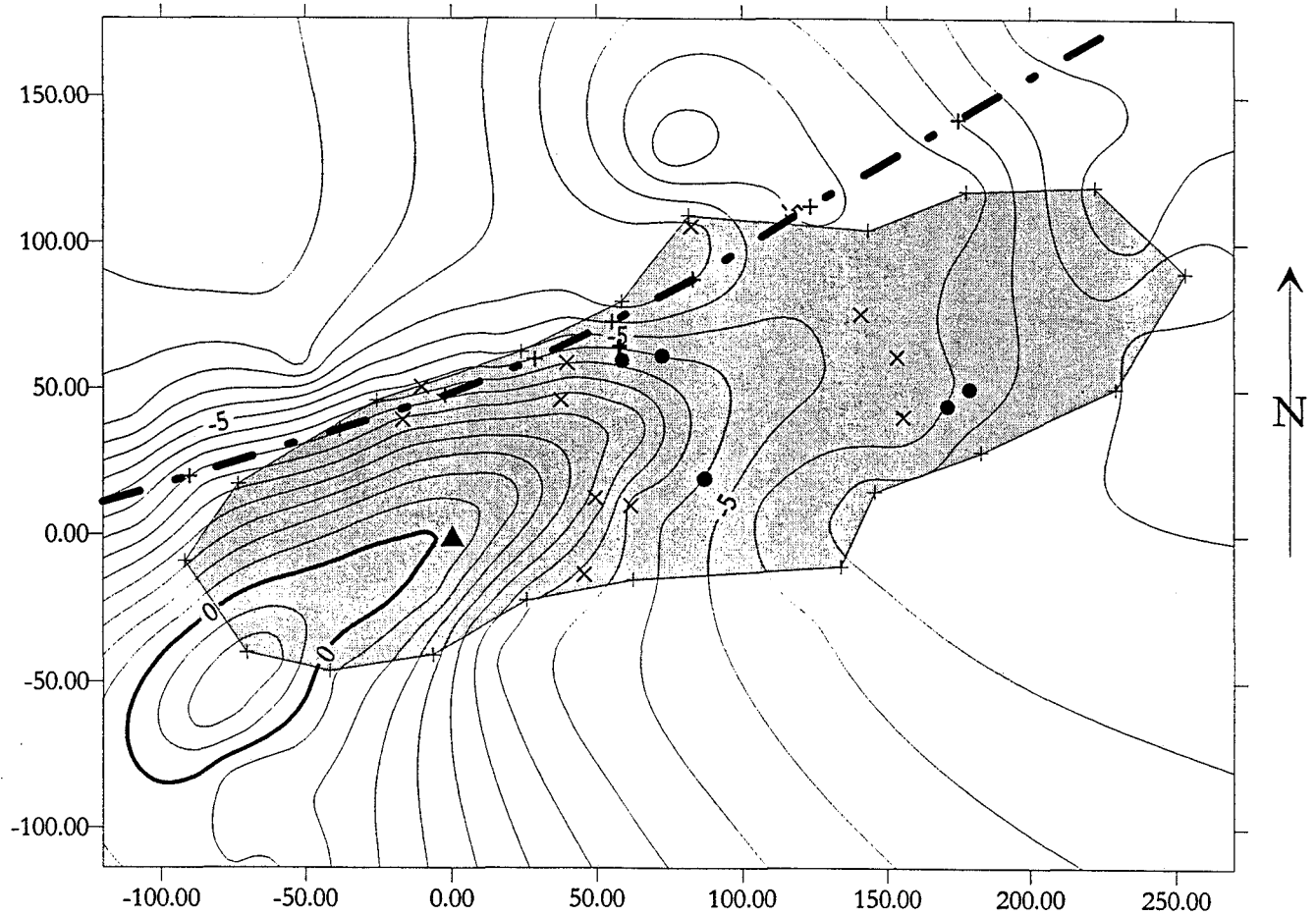


## Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth
- Extent of Site

# MAP 9: SITE 42DC 1150

15



## Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth
- ⊕ Section Corner
- - - Pipeline
- Extent of Site

**Site 42DC 1155 (see Maps 3 and 10)**

Site consists of a scatter of Mesa Verde corrugated grayware that was manufactured during the late Pueblo-II, early Pueblo-III occupation in the Southwest cultural area. The artifact evidently represents a trade item brought into the Uinta Basin. Similar artifacts have been previously recorded for this region and the adjacent White River region of northwestern Colorado (Hauck 1991). The site was located within sandstone bedrock exposures.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1156 (see Maps 3 and 10)**

Site consists of dispersed lithic scatter of about five fragments of debitage and a Paleoindian point midsection (see Figure 1A) that may be a portion of an Eden point. This site is located on a flat surface southeast of an isolated low knoll. The artifacts are all localized Parachute Creek chert.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1157 (see Maps 3 and 11)**

Site consists of scoured rock shelter-ledge complex with an associated lithic scatter of 5+ fragments of Parachute Creek chert debitage. Also observed on the site was a single, simple biface or chopper exhibiting alternate flaking. Similar tools have been observed in Paleoindian through Middle Archaic large game butchering contexts.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1158 (see Maps 3 and 12)**

Site consists of series of scoured rock shelters, an associated lithic scatter, one complete projectile point and a point midsection, biface tools and hearths. Parachute Creek chert tools and debitage predominate on the site. Features include three hearths and rock shelters. A complete projectile point of Plano through Early Archaic manufacture and a Paleoindian point midsection were collected (see Figures 1B and 1C).

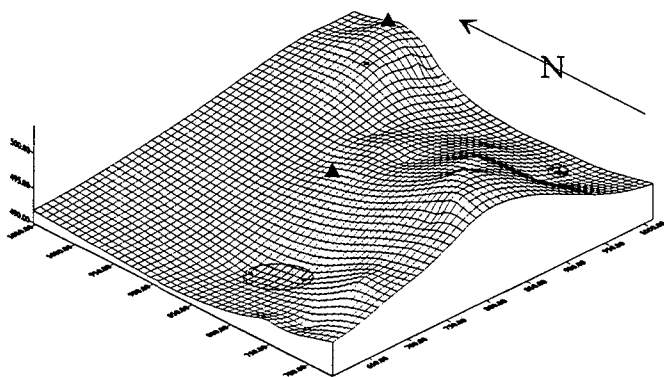
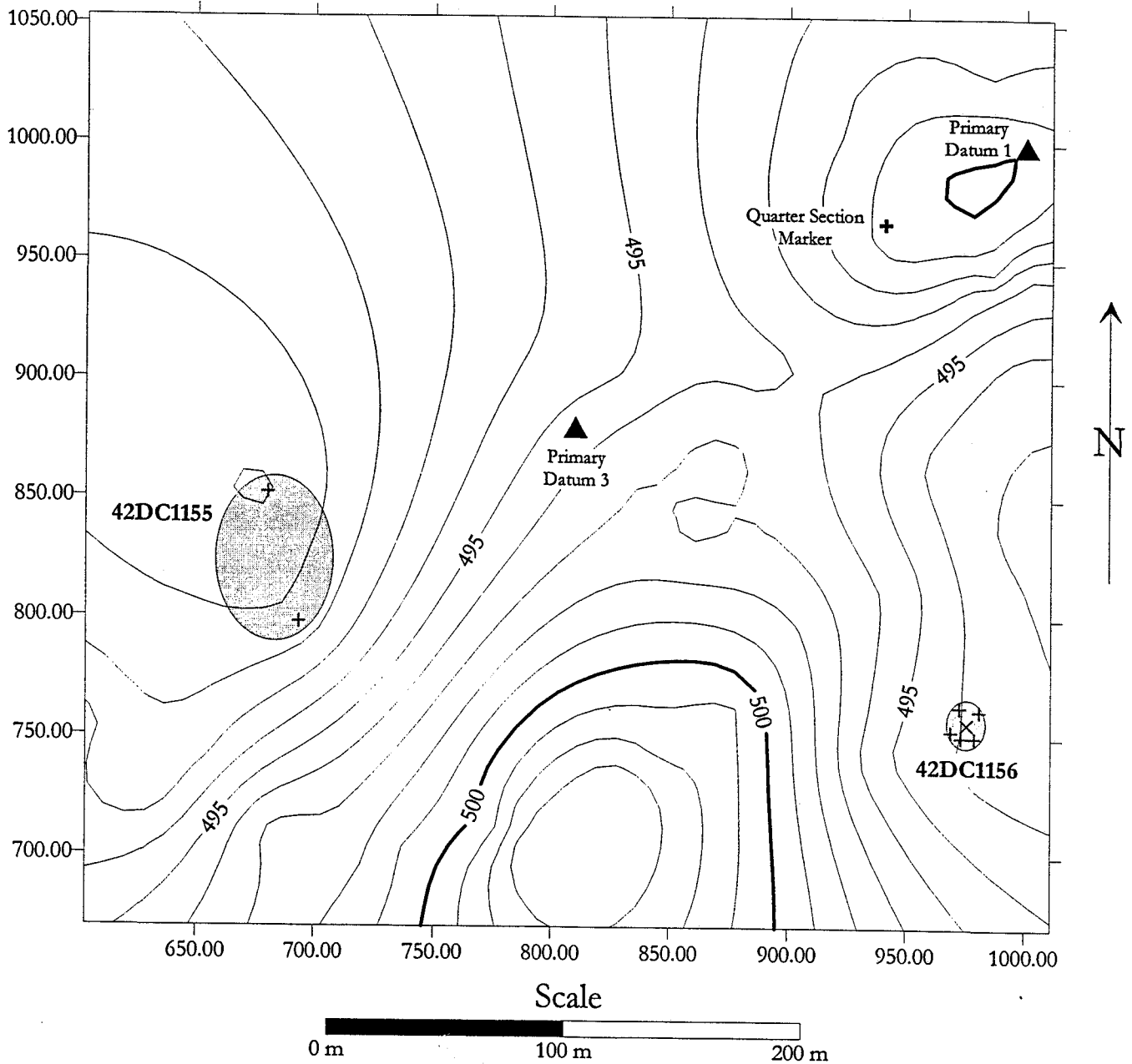
**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Units 14-3 and 15-3.**

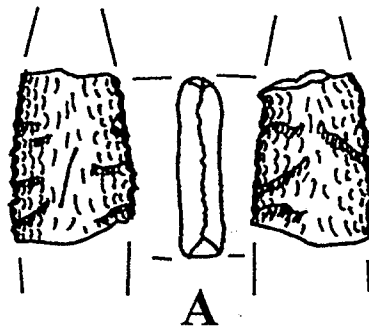
# MAP 10: SITES 42DC 1155 & 42DC 1156

17

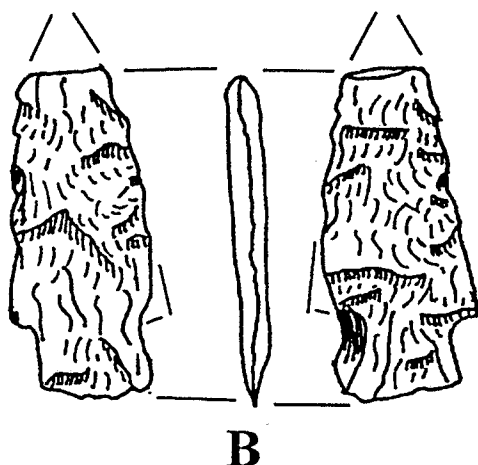


## Legend

- ▲ Datum Location
- × Artifact Location
- ⊕ Quarter Section Marker
- Extent of Site

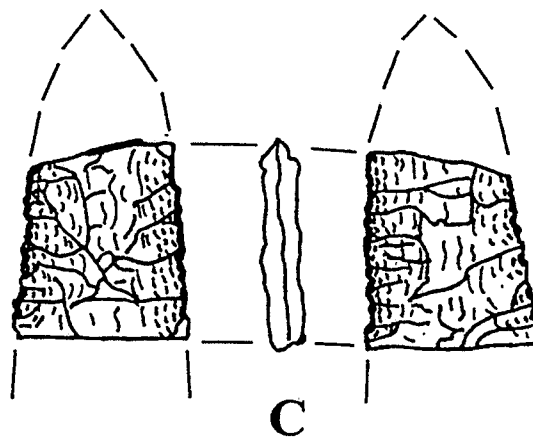


42DC 1156  
(FS-1022)

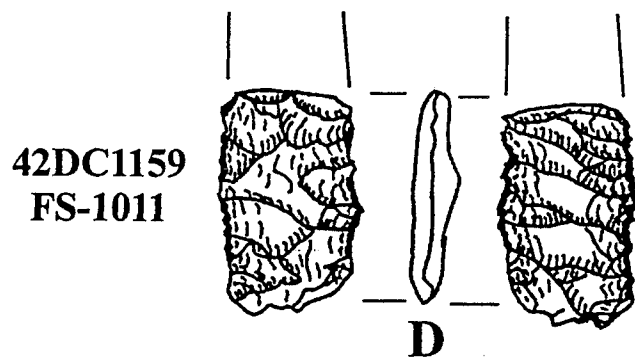


FS-1012

42DC 1158



FS-1007

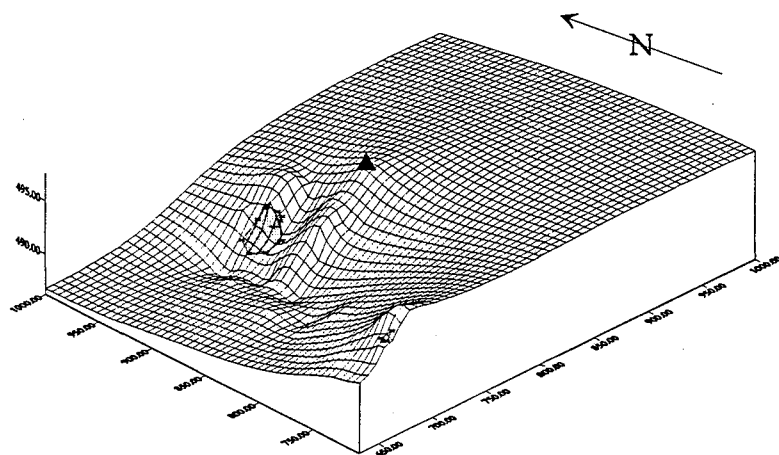
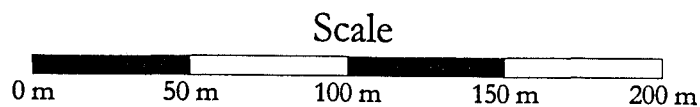
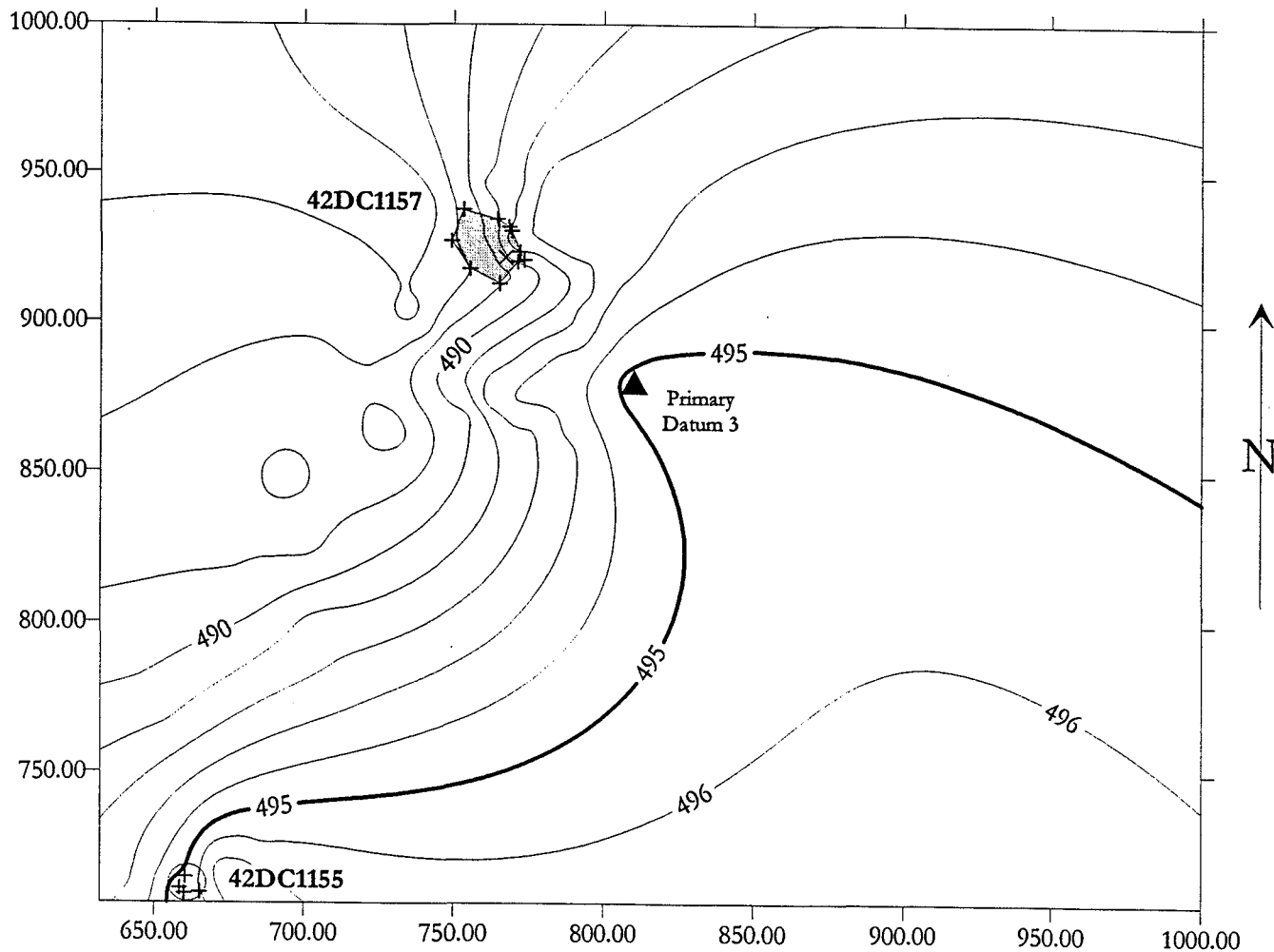


42DC1159  
FS-1011

**FIGURE 1**

# MAP 11: SITE 42DC 1157

19



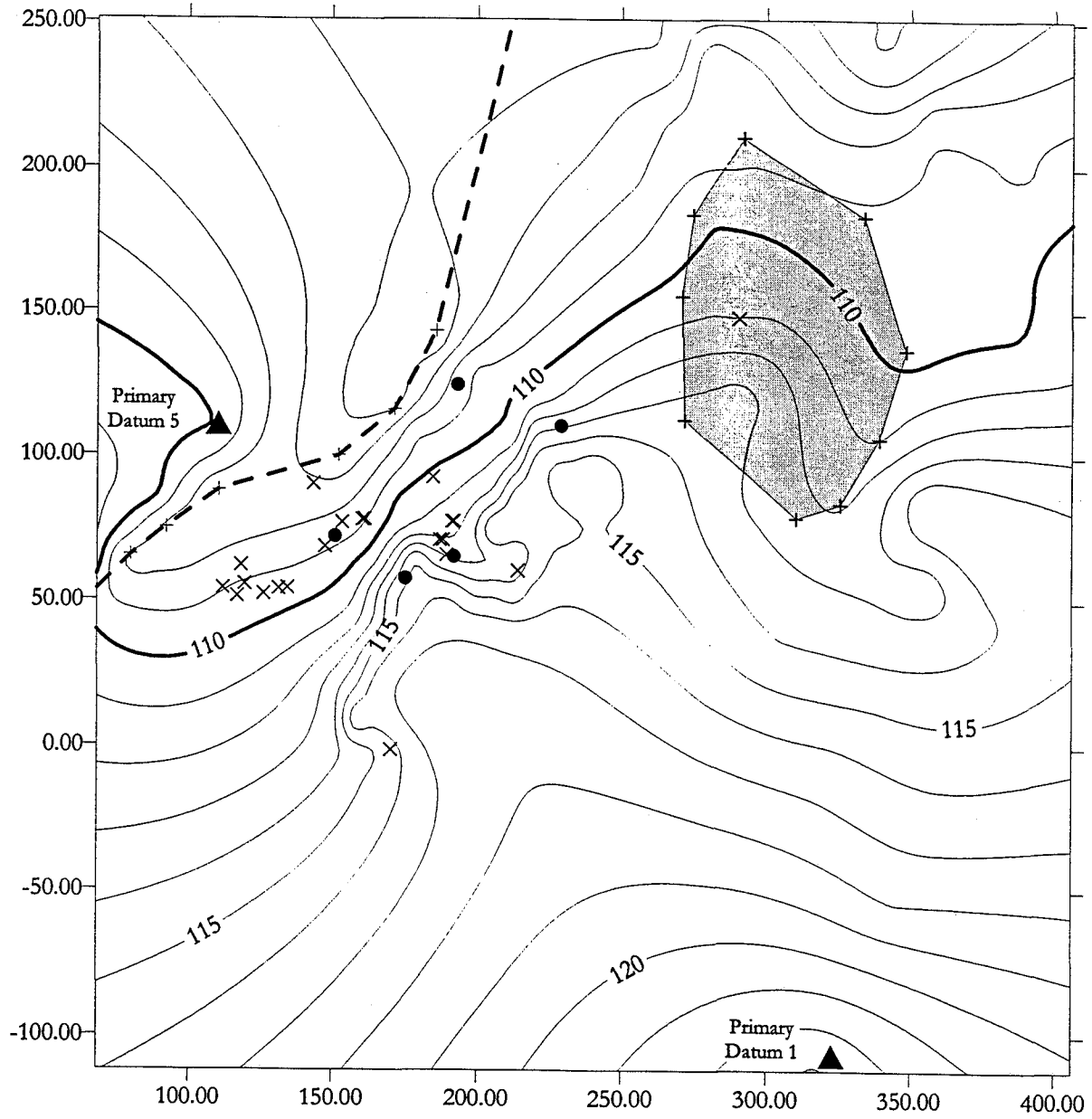
## Legend

- ▲ Datum Location
- × Artifact Location
- Extent of Site

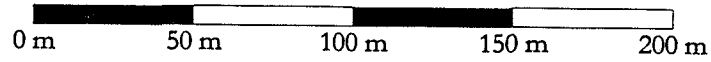


# MAP 12: SITE 42DC 1158

20

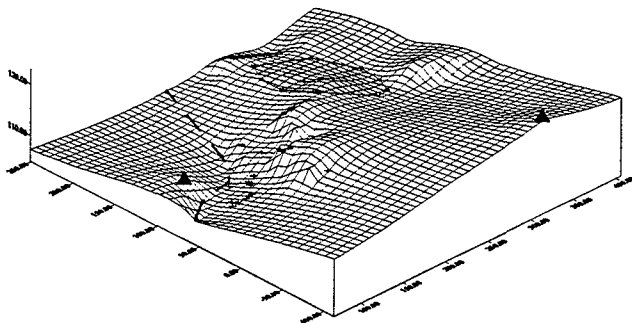


Scale



## Legend

- ▲ Datum Location
- × Artifact Location
- Feature
- \\ Drainage Channel
- Artifact Concentration



**Site 42DC 1159 (see Maps 3 and 13)**

Site consists of dispersed lithic scatter located on the western slope drainage area of an isolated low knoll. Artifacts include Parachute Creek chert debitage, two bifaces and a Paleoindian (Goshen style) projectile point base (see Figure 1D).

**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Unit 15-3.**

**Site 42DC 1160 (see Maps 3 and 14)**

Site consists of dispersed lithic scatter located in a shallow drainage area southeast of an isolated low knoll. Artifacts include Parachute Creek chert debitage, a unifacially retouched scraper and a core/chopper and projectile point (see Figure 2A) that was located some outside the main lithic scatter. The dart point appears to be an Elko Eared variety which correlates with the Early Archaic occupational phase of the Uinta Basin.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1161 (see Maps 3 and 15)**

Site consists of an open occupation and lithic scatter located on a low ridge. Artifacts include a Paleoindian 'Alberta' point (see Figure 2B) and a number of bifaces. The dominant lithic material type is the local float consisting of Parachute Creek chert.

**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Unit 16-3.**

**Site 42DC 1162 (see Maps 3 and 16)**

Site consists of an open occupation and lithic scatter located on a low ridge and into an adjacent plain to the south. Artifacts include a quartzite hammerstone, Parachute Creek chert cores, two bifaces and lithic debitage in all stages of lithic tool manufacture. The dominant lithic material type is Parachute Creek chert debitage.

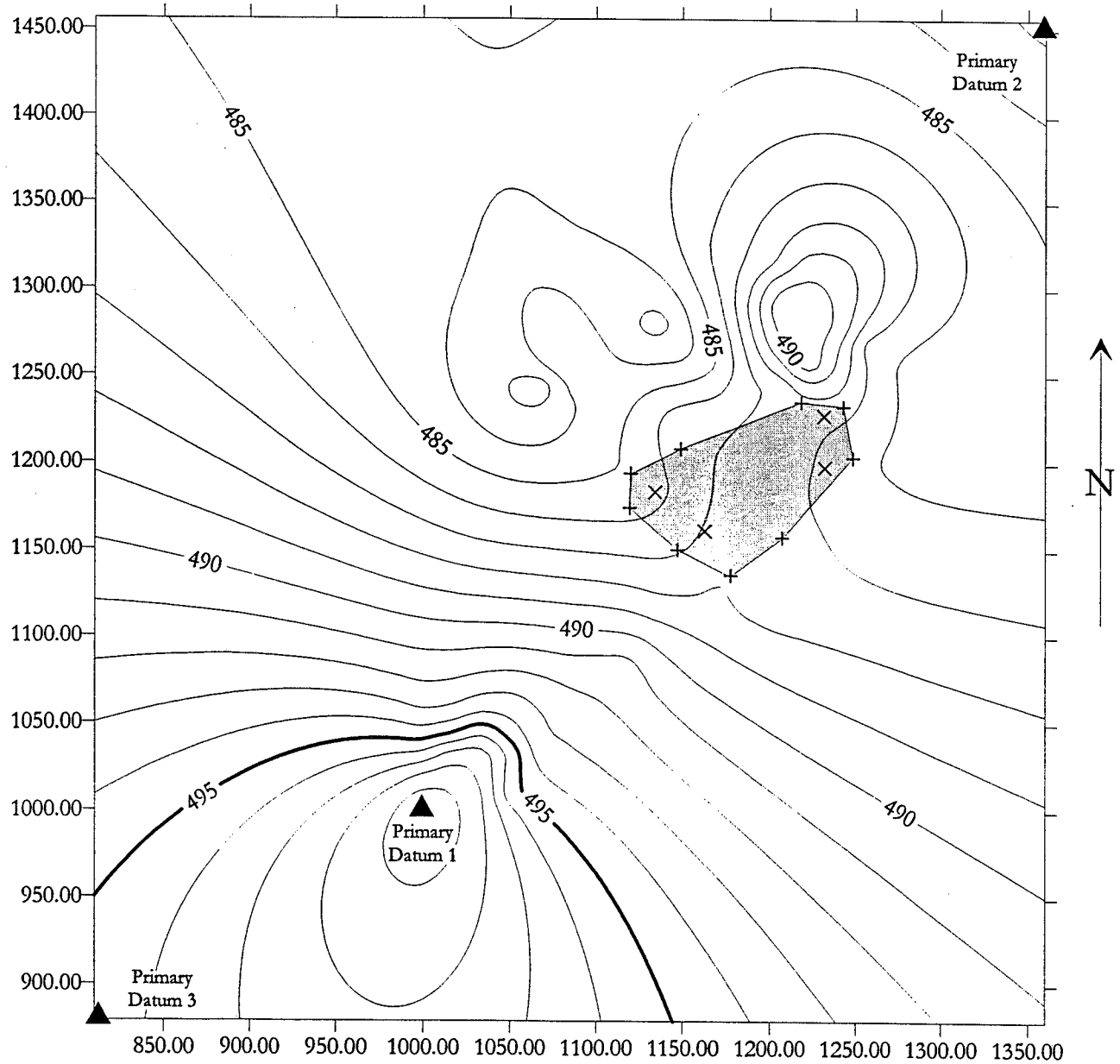
**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

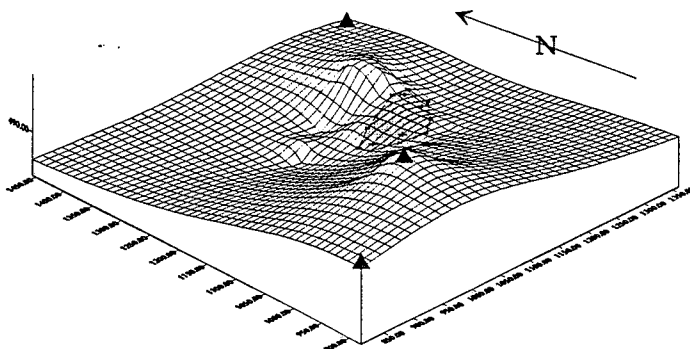
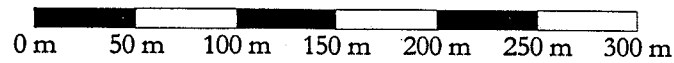
**Recommendation: Avoidance during any surface development related to Unit 9-3.**

# MAP 13: SITE 42DC 1159

22



Scale

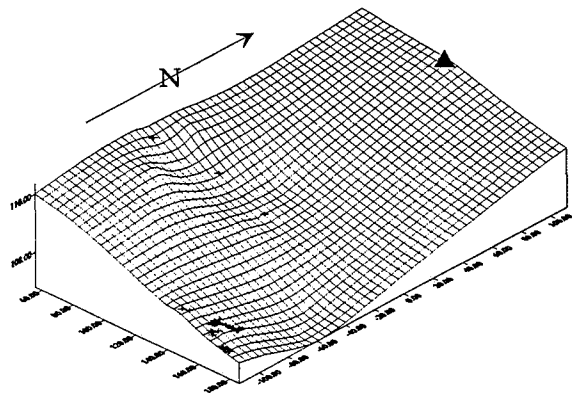
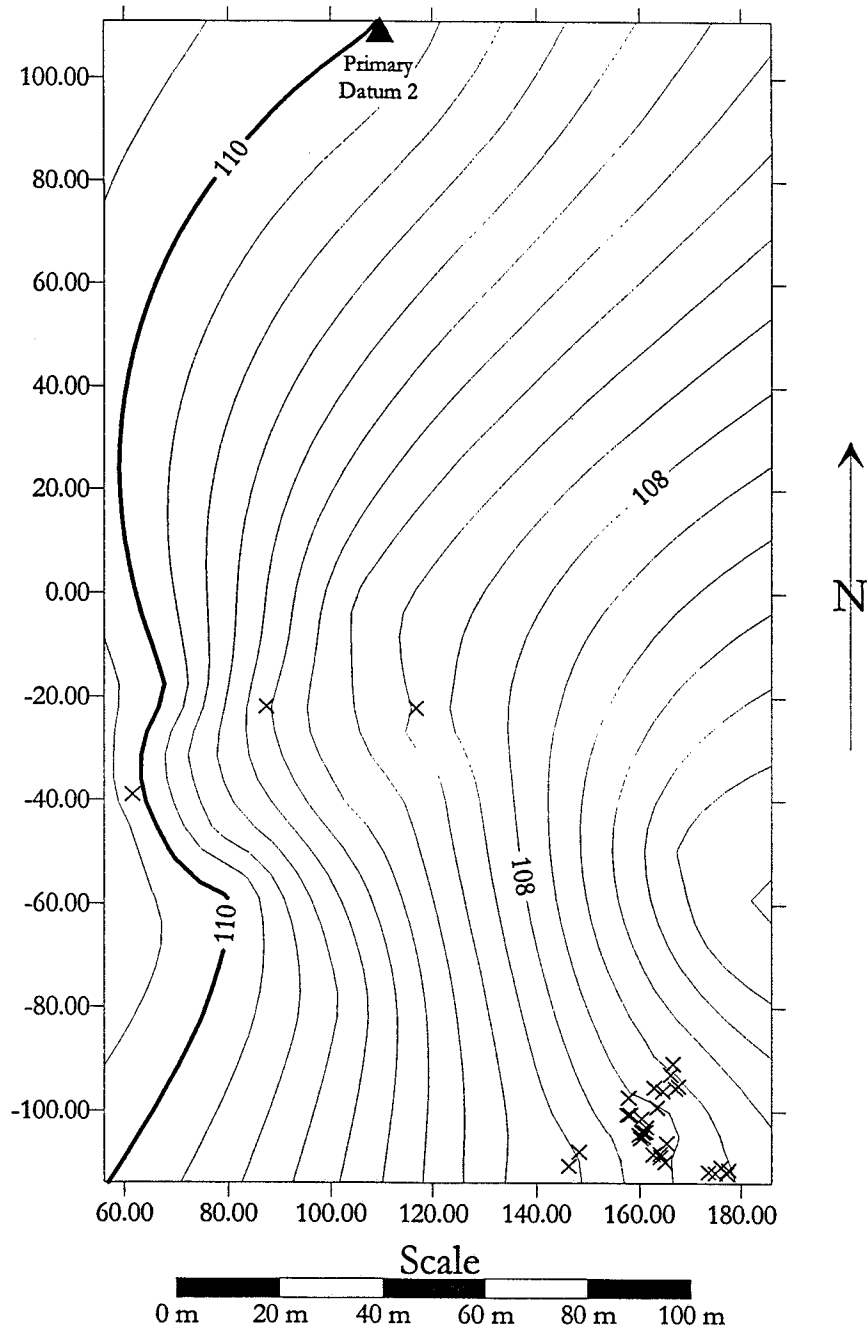


## Legend

- ▲ Datum Location
- × Artifact Location
- Extent of Site

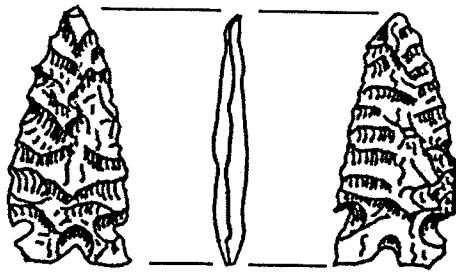
# MAP 14: SITE 42DC 1160

23

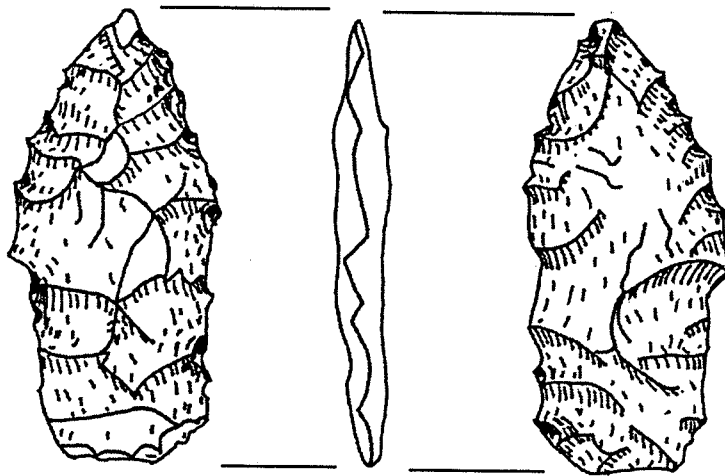


## Legend

- ▲ Datum Location
- × Artifact Location



**A**  
**42DC 1160**  
**(FS-1031)**

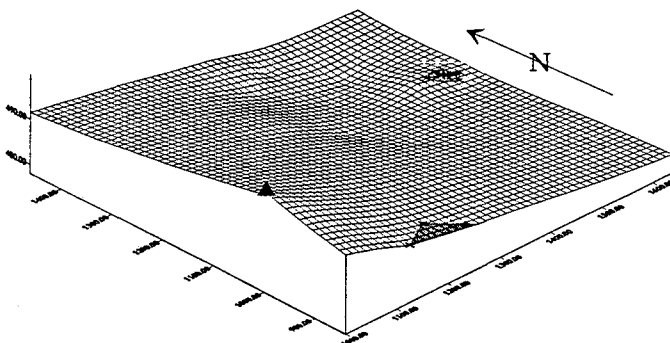
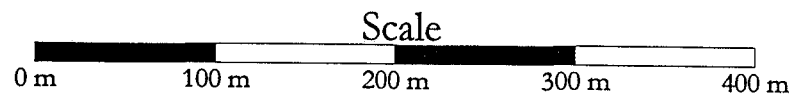
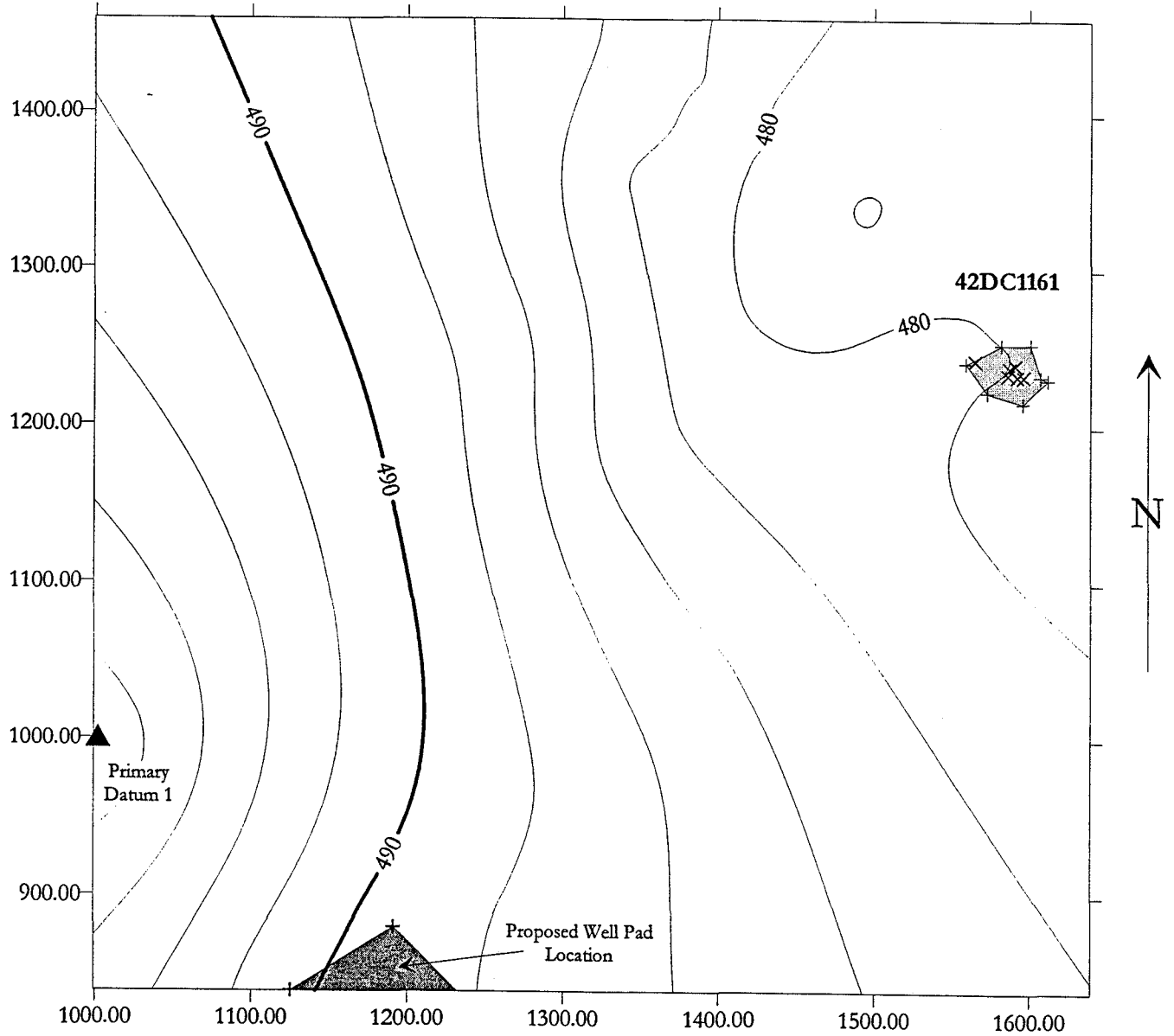


**B**  
**42DC 1161**

**FIGURE 2**

# MAP 15: SITE 42DC 1161

25



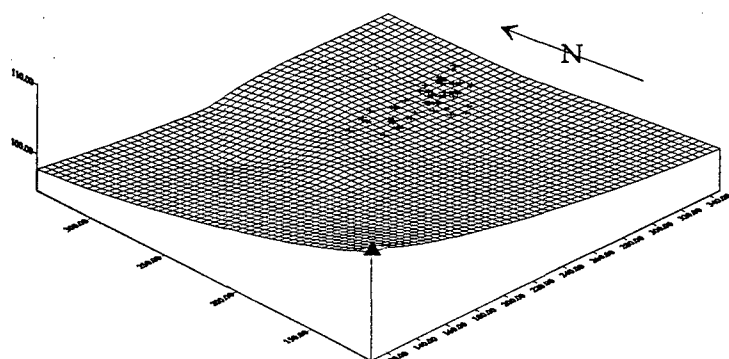
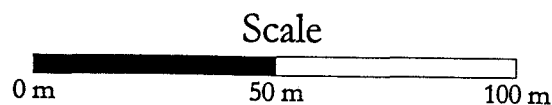
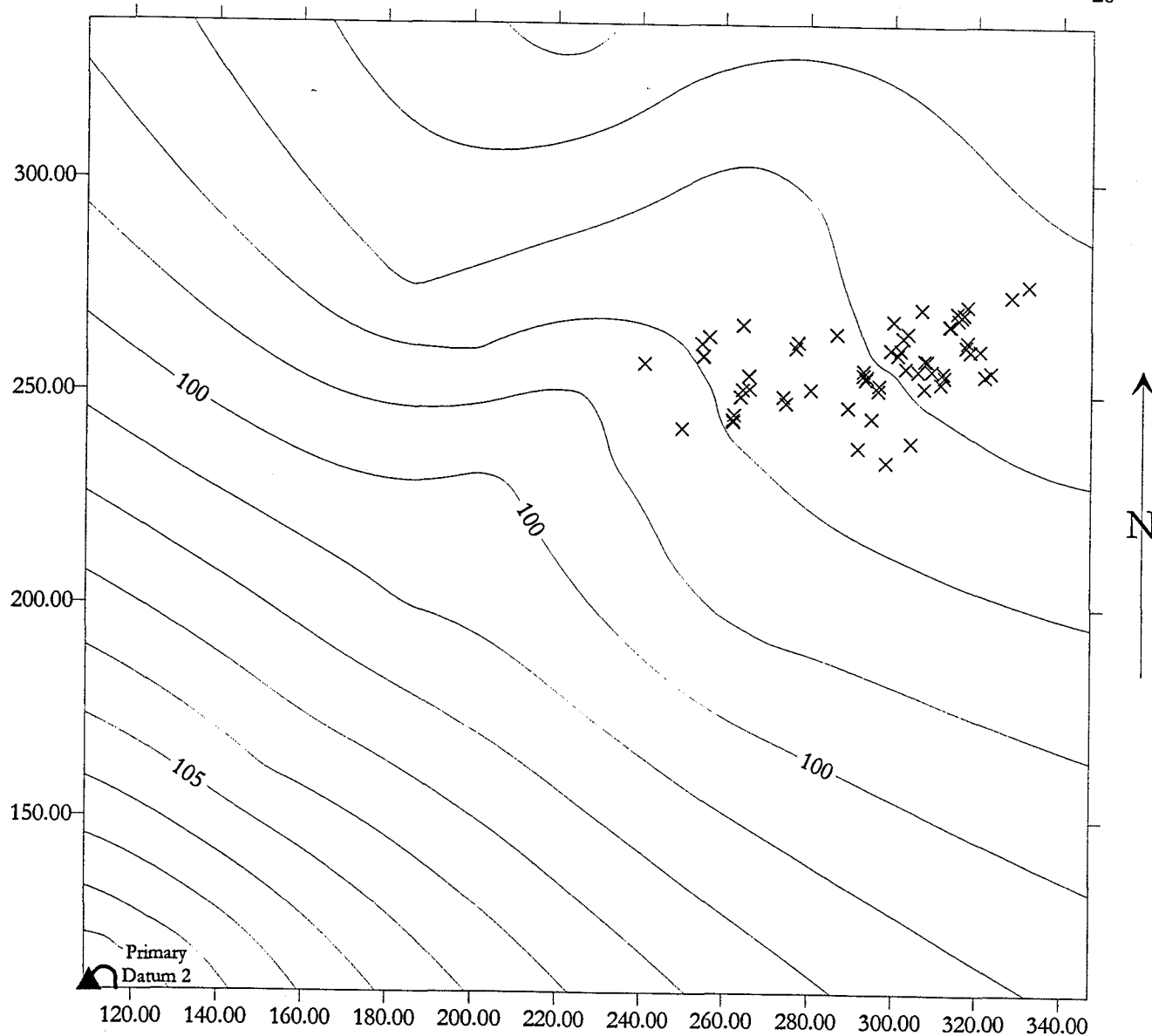
## Legend

- ▲ Datum Location
- × Artifact Location
- Proposed Well Pad Location
- Extent of Site



# MAP 16: SITE 42DC 1162

26



## Legend

- ▲ Datum Location
- × Artifact Location

**Site 42DC 1163 (see Maps 3 and 17)**

Site consists of a lithic scatter located on a sandy plain with a gradual slope on and around an isolated outcrop. Artifacts are limited to Parachute Creek chert debitage in all stages of lithic tool reduction and manufacture.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1164 (see Maps 3 and 18)**

Site consists of a dispersed lithic scatter located in and near a shallow drainage at the bottom of a steep hill. Artifacts include Parachute Creek chert debitage in all stages of lithic tool manufacture and several choppers and scrapers.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1165 (see Maps 3 and 19)**

Site consists of a dispersed scatter of lithic debitage, tools, ground stone and several deflated hearth scatters located on a ledge near the bottom of a slope. Ledges run westward from the site with scattered artifacts along the top and bottom of the ledge complex. Parachute Creek chert is predominate on the site.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1166 (see Maps 3 and 20)**

Site consists of a dispersed lithic scatter located in and near a shallow drainage at the bottom of a steep hill. Artifacts include Parachute Creek chert debitage in all stages of lithic tool manufacture and several choppers and scrapers.

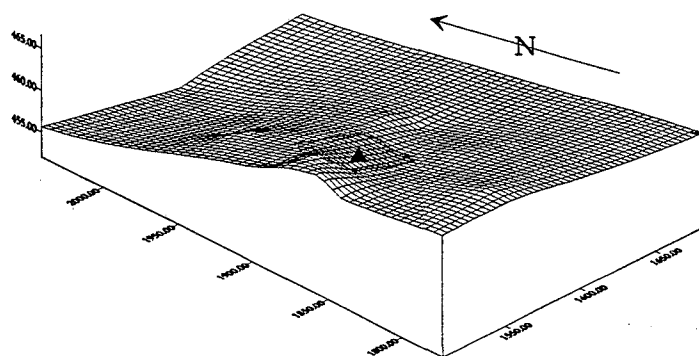
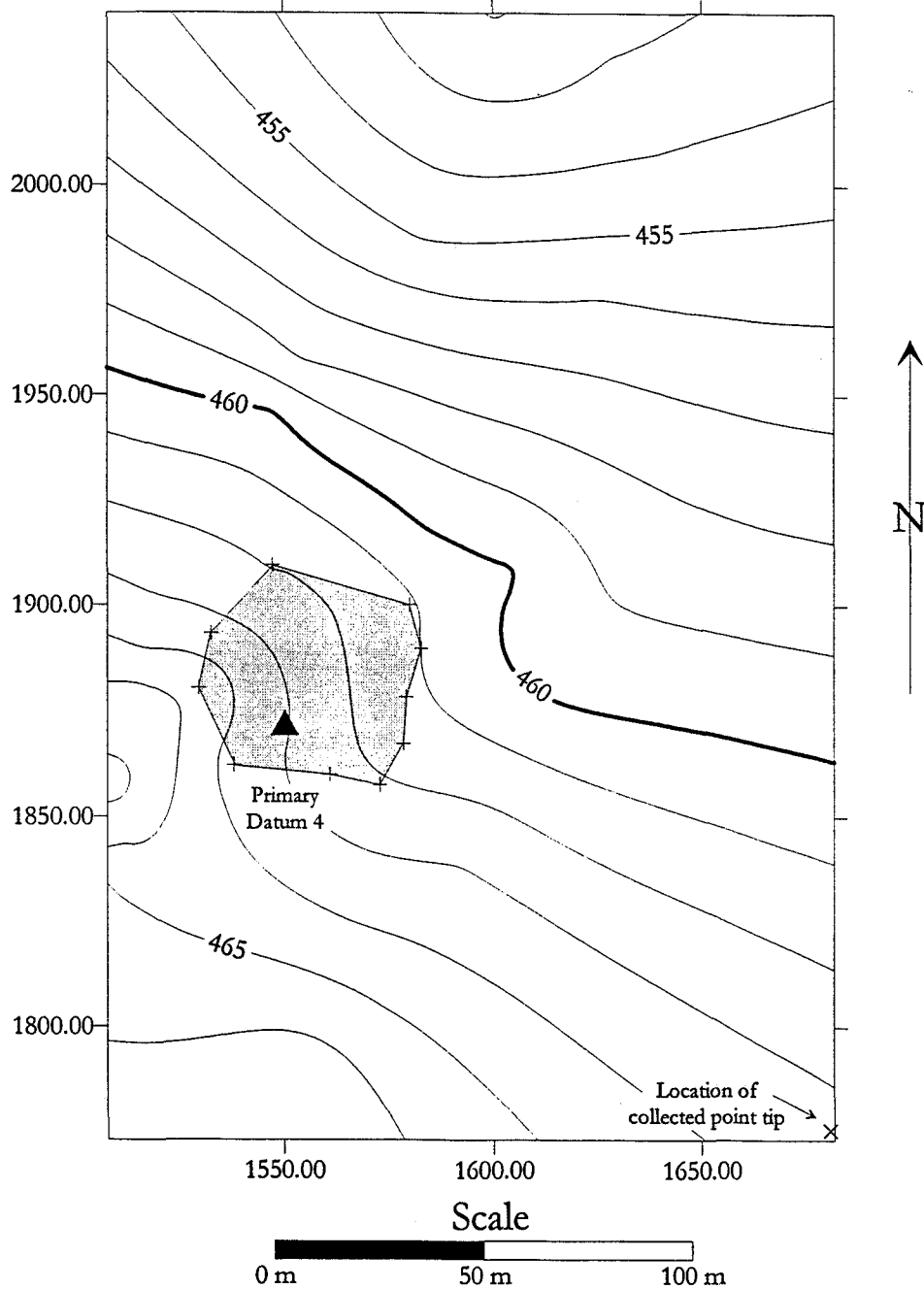
**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

# MAP 17: SITE 42DC 1163

28

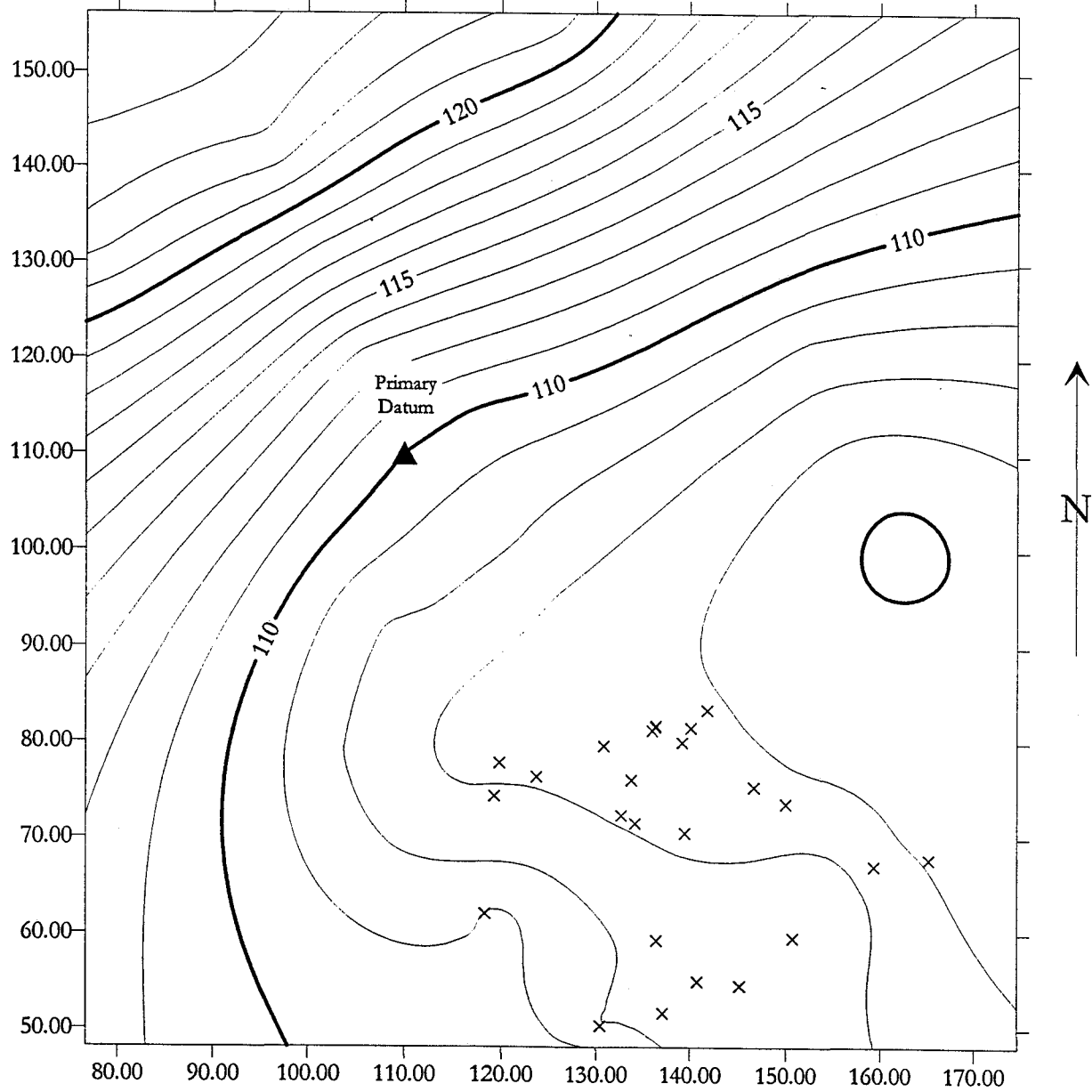


## Legend

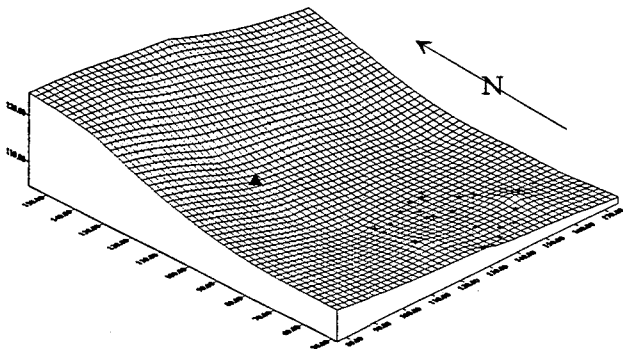
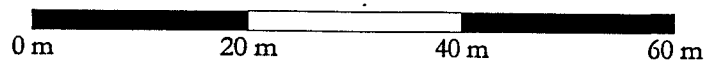
- ▲ Datum Location
- × Artifact Location
- Extent of Site

# MAP 18: SITE 42DC 1164

29



Scale

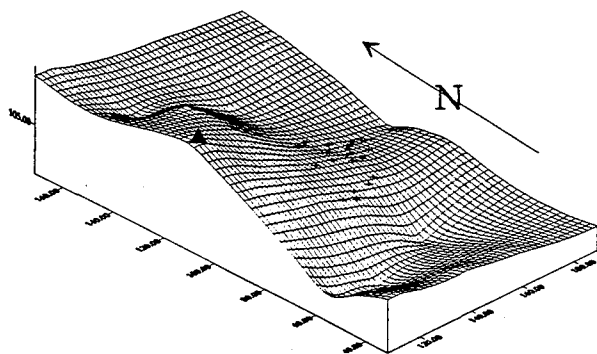
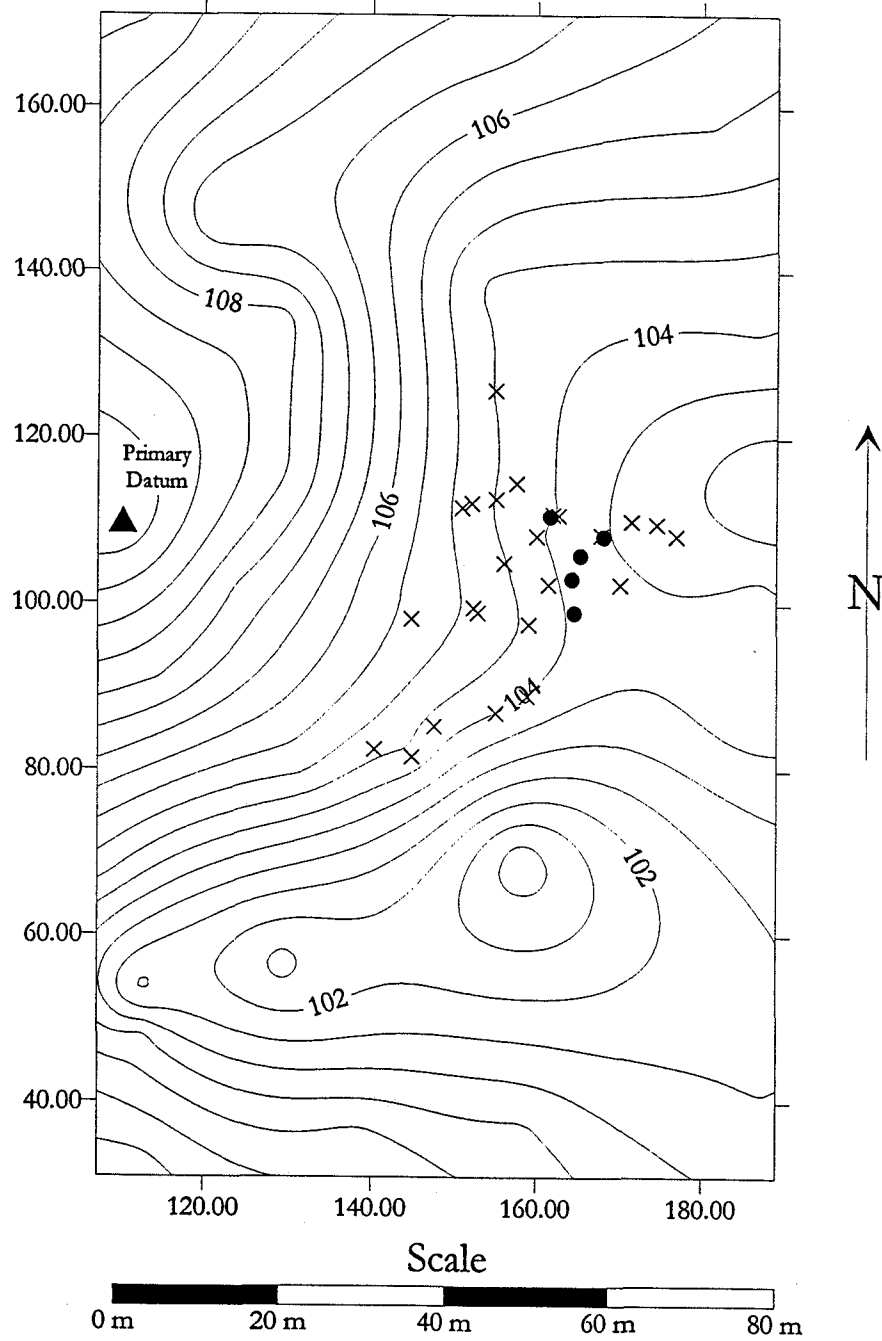


## Legend

- ▲ Primary Datum
- × Artifact Location

# MAP 19: SITE 42DC 1165

30

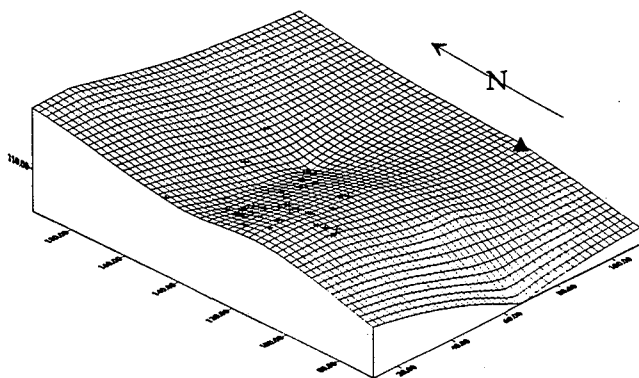
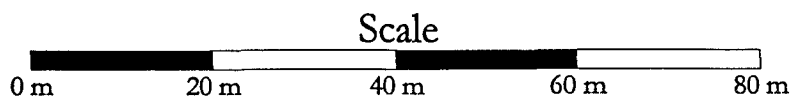
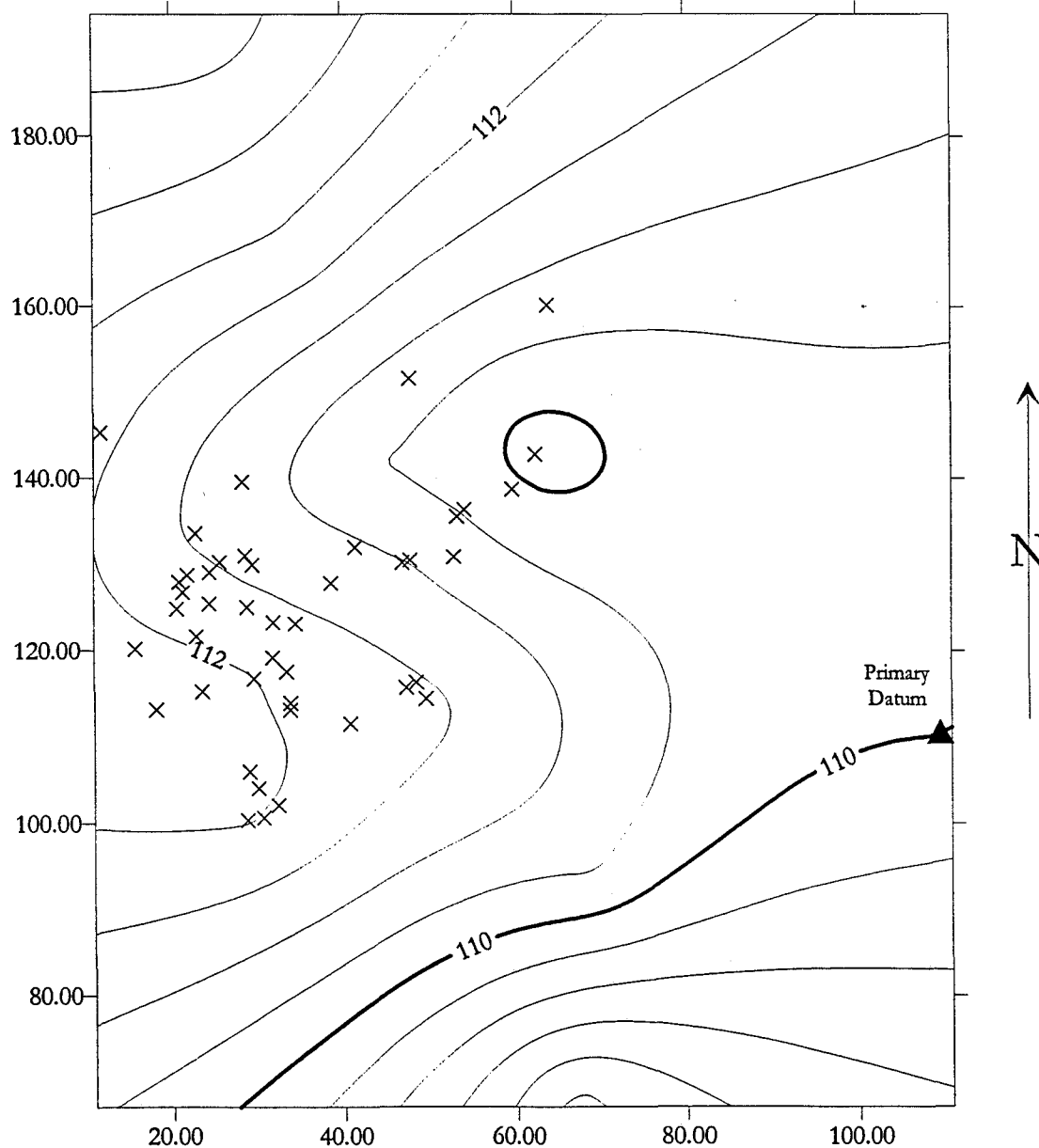


## Legend

- ▲ Primary Datum
- × Artifact Location
- Feature

# MAP 20: SITE 42DC 1166

31



## Legend

- ▲ Primary Datum
- × Artifact Location



**Site 42DC 1171 (see Maps 2 and 21)**

Site 42DC 1171 consists of a limited scatter of lithic around and below a low sandstone ledge on a hill slope. Artifacts recorded at the site consist a few flakes of lithic debitage and two discrete concentrations of oxidized sandstone fragments. The site possesses marginal depth potential. No diagnostic artifacts were observed on the site.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1174 (see Maps 5 and 22)**

Site consists of an open occupation and lithic scatter located on a low bench. Artifacts include an Elko Eared or Pinto dart point (see Figure 3B) and a number of unifaces, bifaces (see Figure 3A), preforms and other tools. Lithic debitage includes waste from all stages of tool manufacture and reduction. The dominant lithic material type is parachute creek chert, which is commonly found in this locality as float. Site 42DC 1174 is probably related with nearby Site 42DC 1175.

**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Unit 5-22.**

**Site 42DC 1175 (see Maps 6 and 23)**

Site consists of a prehistoric lithic scatter located in a sandy swale above the drainage and flood plain. The scatter is roughly elliptical in configuration and very large occupying an area about 200 meters in length. A Rocker Side-notched dart point (see Figure 3C) was collected from the site. This variety of dart point was utilized during the Middle Archaic stage of occupation on the Colorado Plateau and Wasatch Plateau. No features were observed or recorded on this site. Isolate 1598R/x1 (see Figure 5D), an early Paleoindian projectile point probably of the Midland variety, was collected outside this site's northern periphery. Site 42DC 1175 is probably related with nearby Site 42DC 1174.

**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Unit 5-22.**

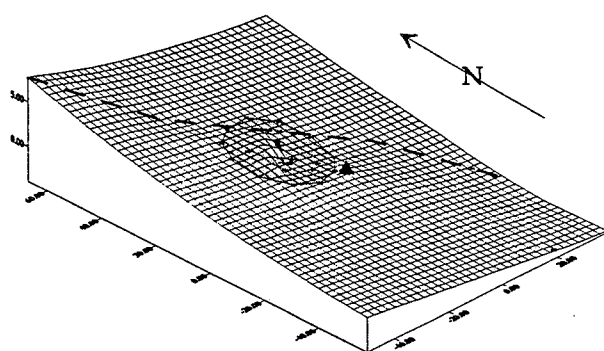
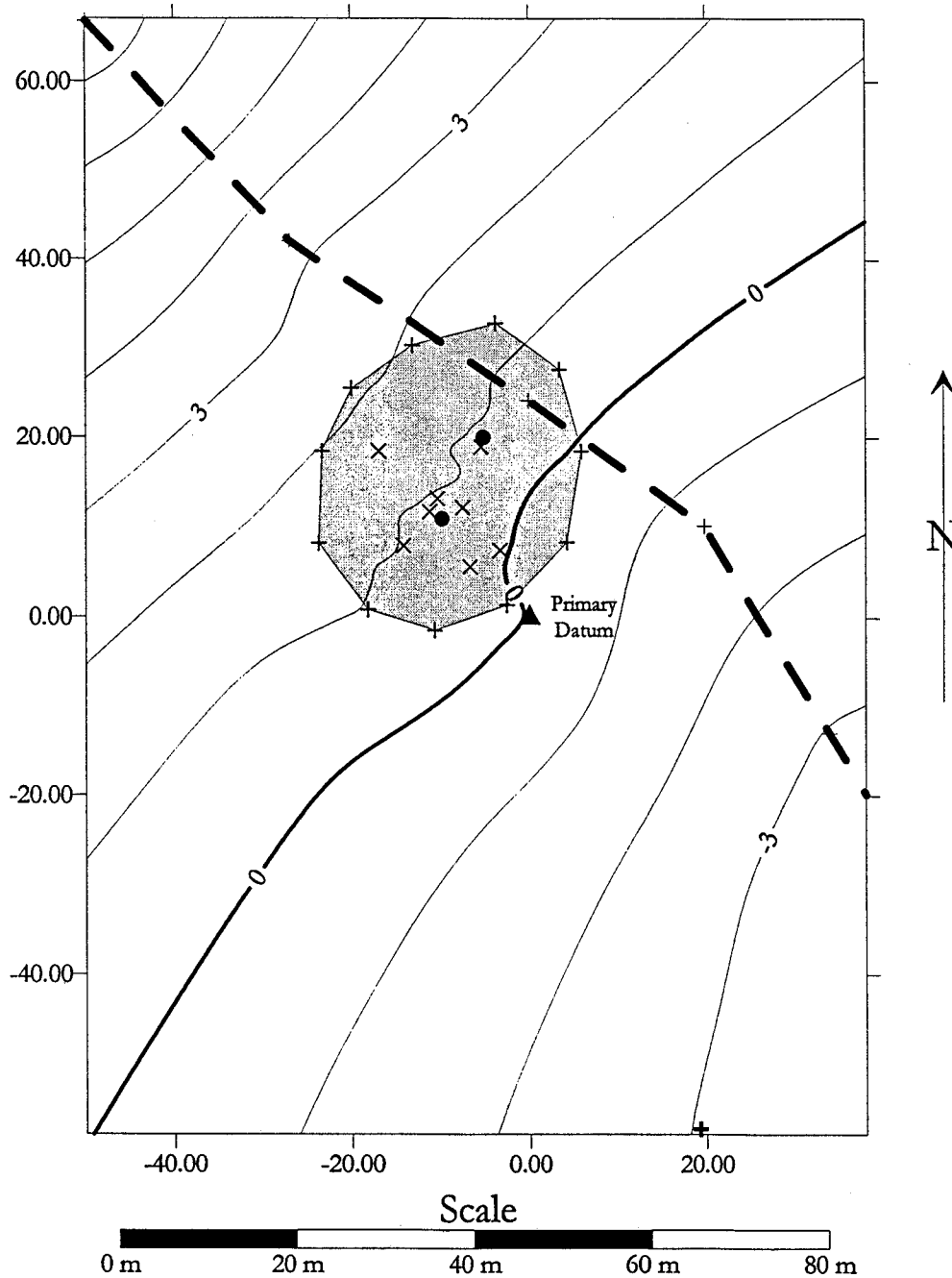
**Site 42DC 1176 (see Map 6)**

Site consists of a small lithic scatter situated on the south bench above a large ephemeral drainage. The scatter is composed of five flakes and four expediency tools all of which probably represent a single use locus. No features were noted.

**Nat. Register Status: Not Significant**

# MAP 21: SITE 42DC 1171

33

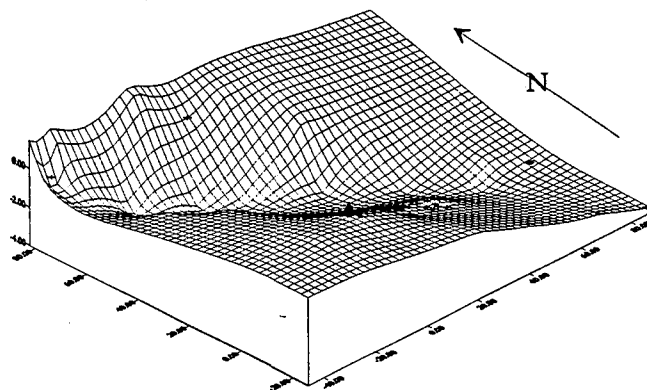
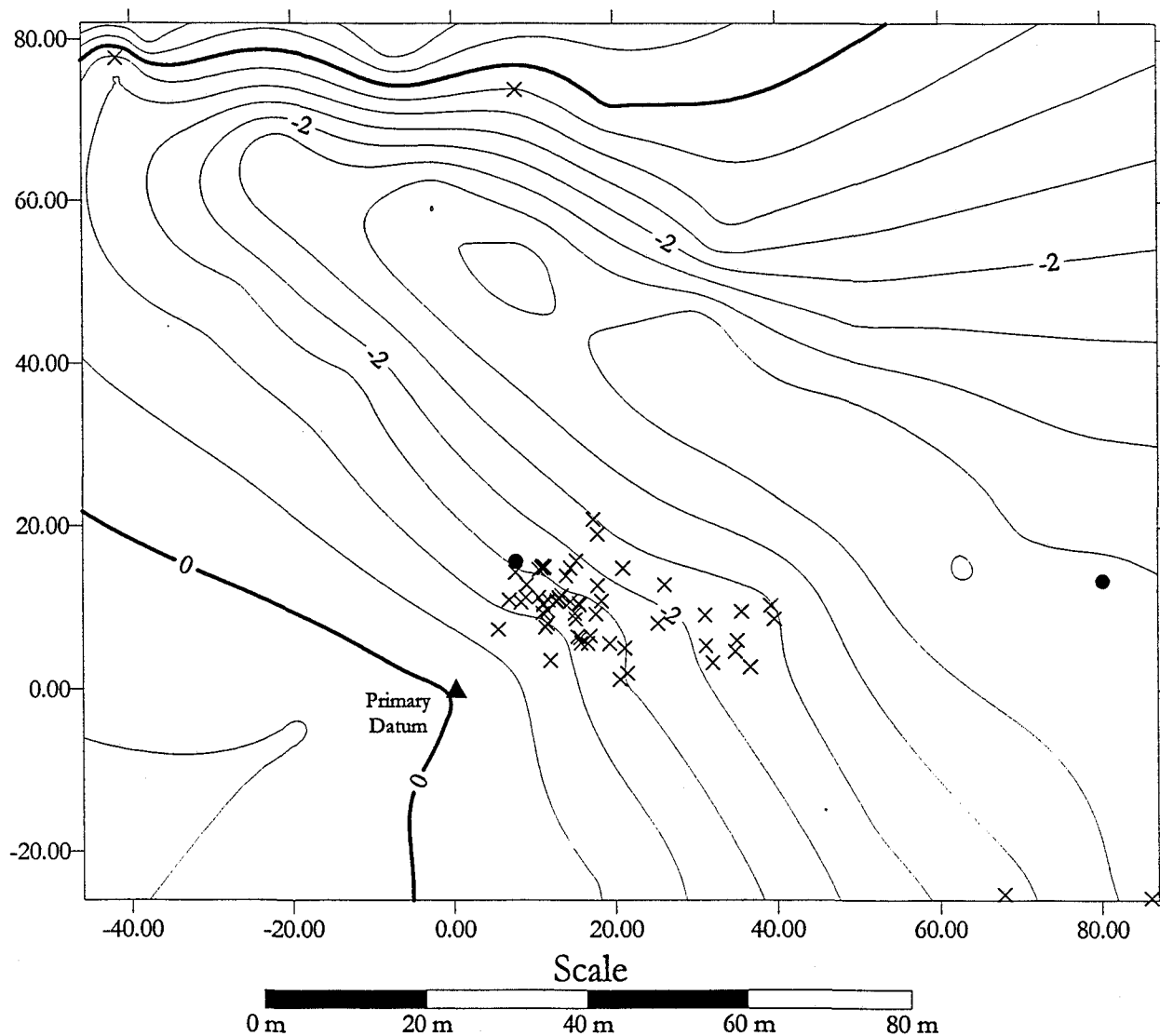


## Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth
- ⊕ Well-head Location
- - - Access Road
- ⊙ Extent of Site

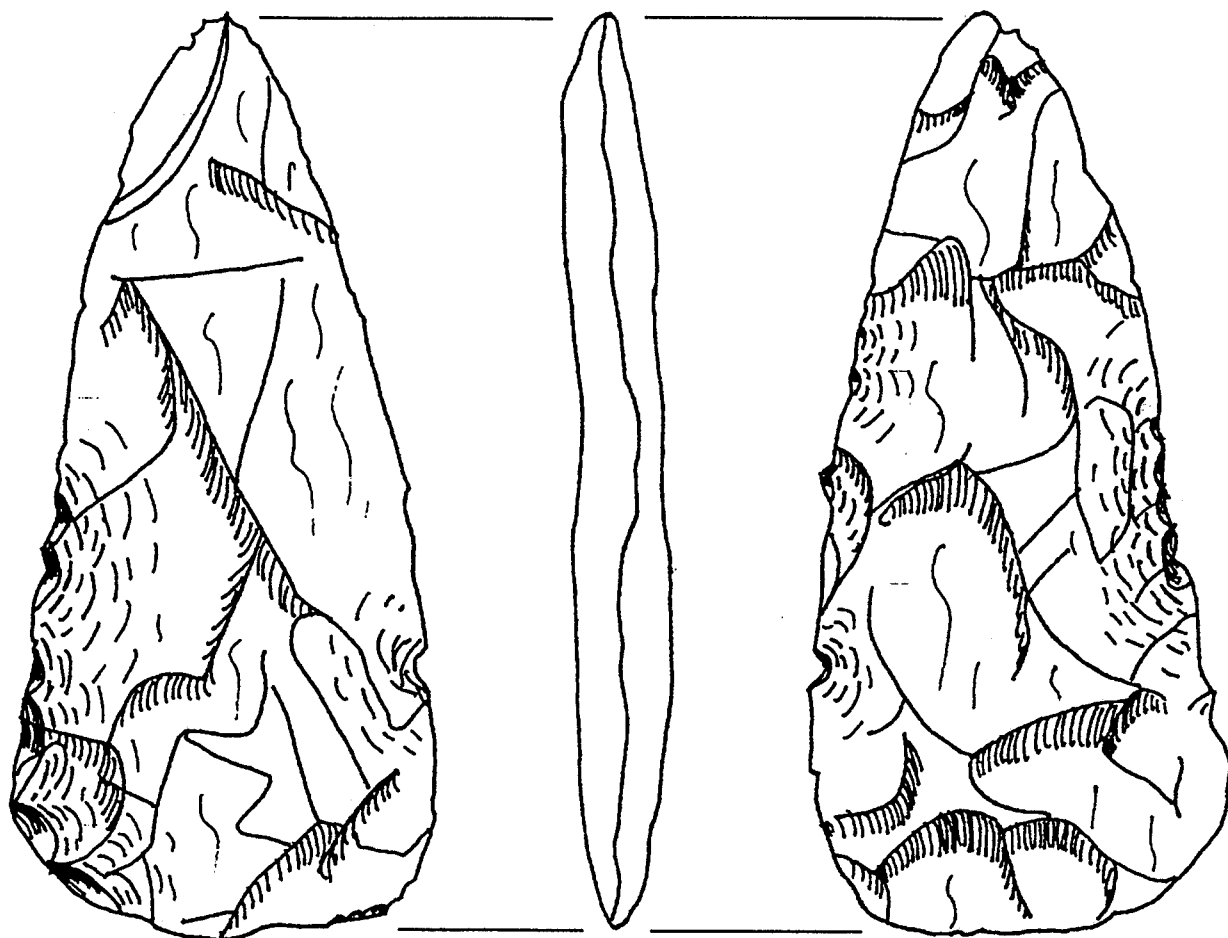
# MAP 22: SITE 42DC 1174

34



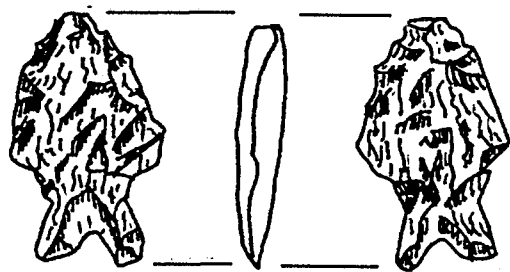
## Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth



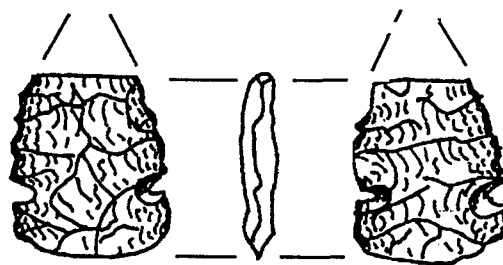
**A**

**42DC 1174  
(FS-1033)**



**B**

**42DC 1174  
(FS-1002)**

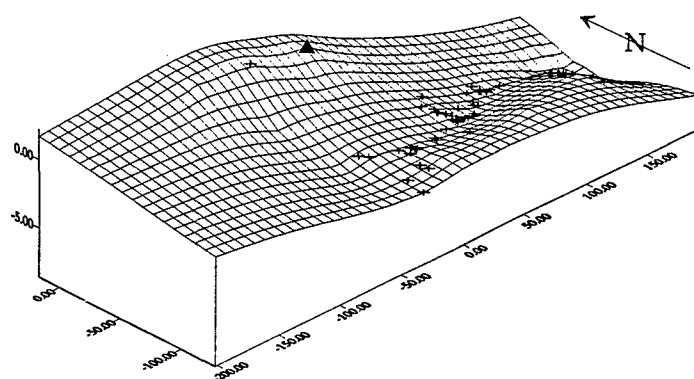
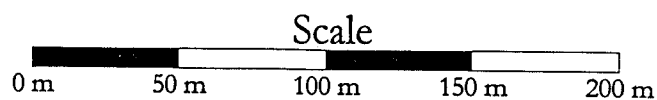
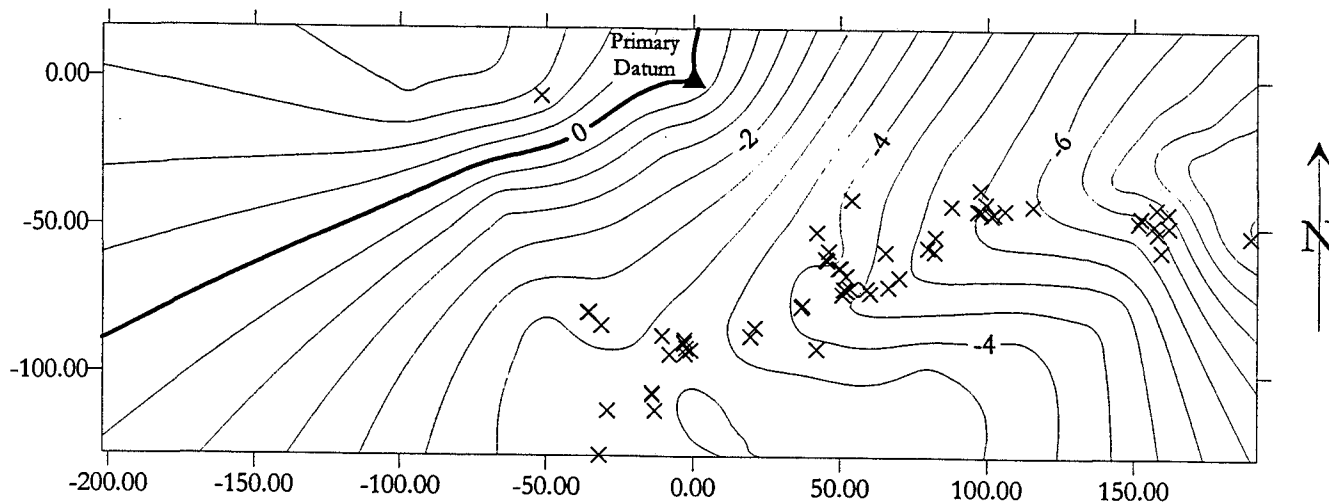


**C**

**42DC 1175  
(FS-1038)**

**FIGURE 3**

## MAP 23: SITE 42DC 1175



### Legend

- ▲ Primary Datum
- × Artifact Location

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42DC 1177 (see Maps 4 and 24)**

This site consists of a dispersed lithic scatter of Parachute Creek Chert flakes, all highly patinated, lying on an eroded, hardpan clay, surface between a major drainage on the north and the stabilized dune complex associated with the mesa above and to the south. Debitage is mainly primary and secondary flakes of the tap and test or expediency tool manufacture variety.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42UN 2532 (see Map 4)**

The site consists of a diffuse scatter of lithicdebitage, cores and bifaces or choppers. The majority of artifacts are of the tap-and-test variety of cores and primary flakes. The entire site area, which covers about 50 to 60 acres, is littered with artifacts and lithic materials and may have served as a lithic resource locus for the area.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42UN 2533 (see Maps 4 and 25)**

This site consists of a diffuse scatter of lithicdebitage, cores, one biface and numerous scatters of oxidized and fire cracked rock. Two discreet, deflated hearth scatters were noted. Mostdebitage was noted in blowouts in thin sand deposits over bedrock. Some artifacts appear to be in original context, but little depth was noted.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

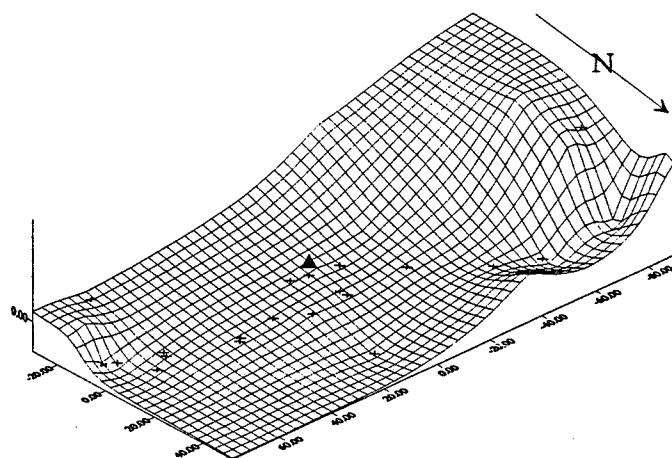
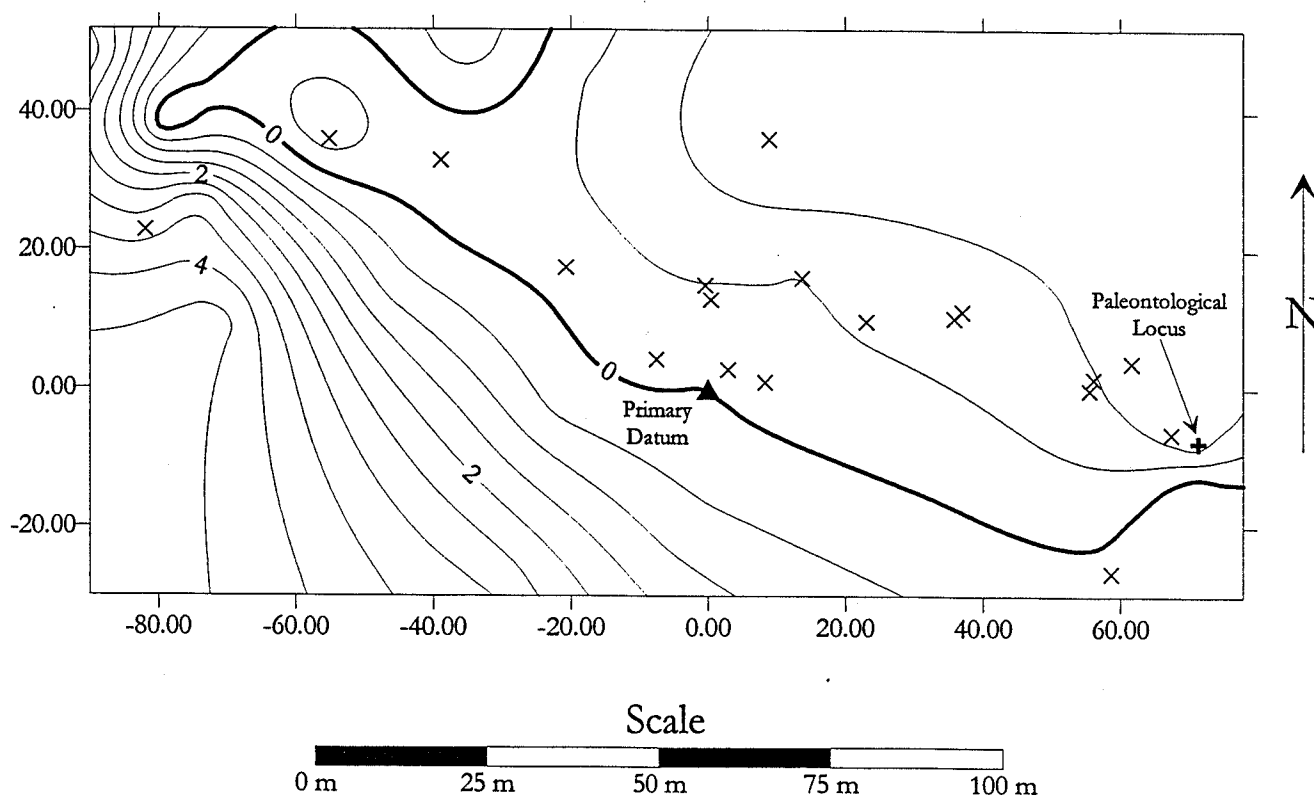
**Recommendation: Avoidance.**

**Site 42UN 2534 (see Maps 4 and 26)**

The site consists of a shallow rock shelter/alcove with a scatter of oxidized stone leading from the shelter across a sandstone ledge bench. A diffuse scatter of lithicdebitage, cores and bifaces or choppers also extends from the shelter area to the lip of the ledge. Erosion has removed all of the shelter deposits, and little of the bench contexts are intact. This site is part of an Archaic



# MAP 24: SITE 42DC 1177

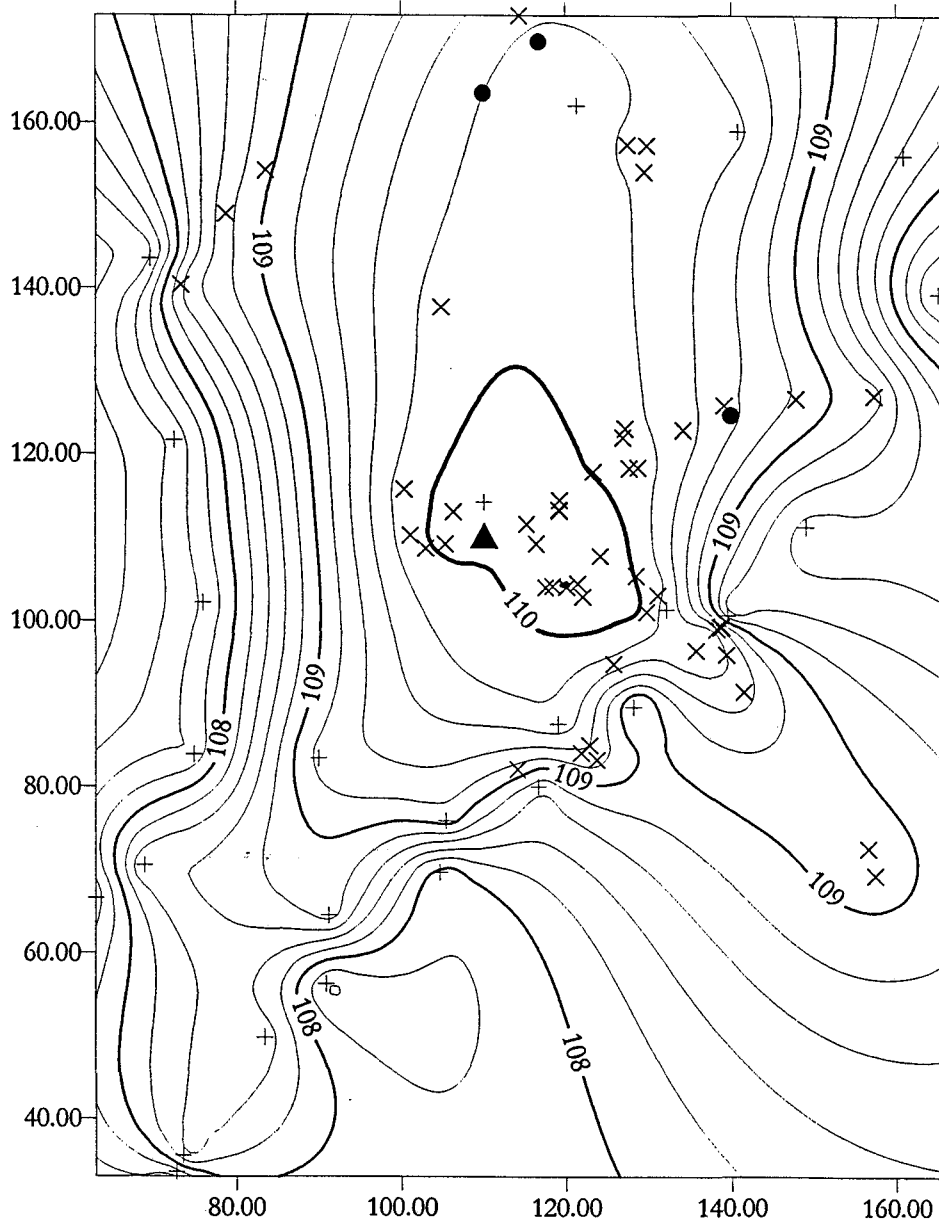


## Legend

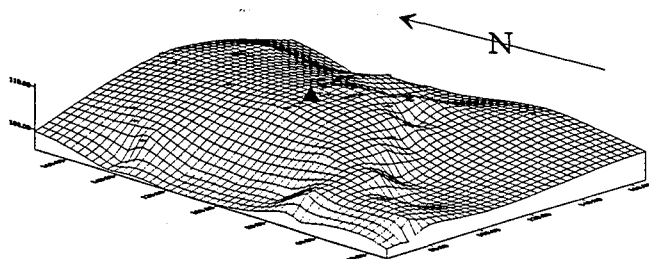
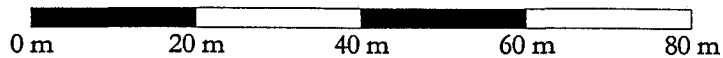
- ▲ Primary Datum
- × Artifact Location
- ⊕ Paleontological Locus

# MAP 25: SITE 42UN 2533

39



Scale

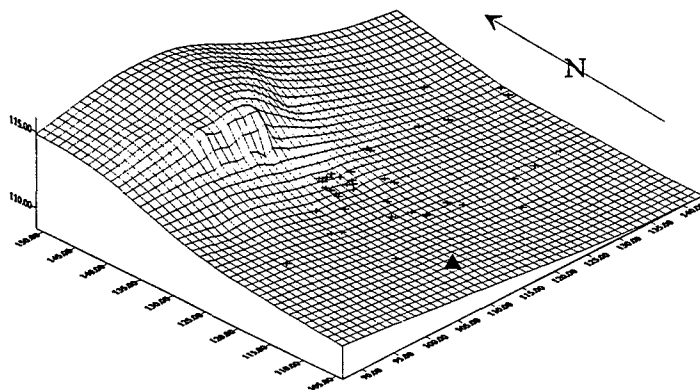
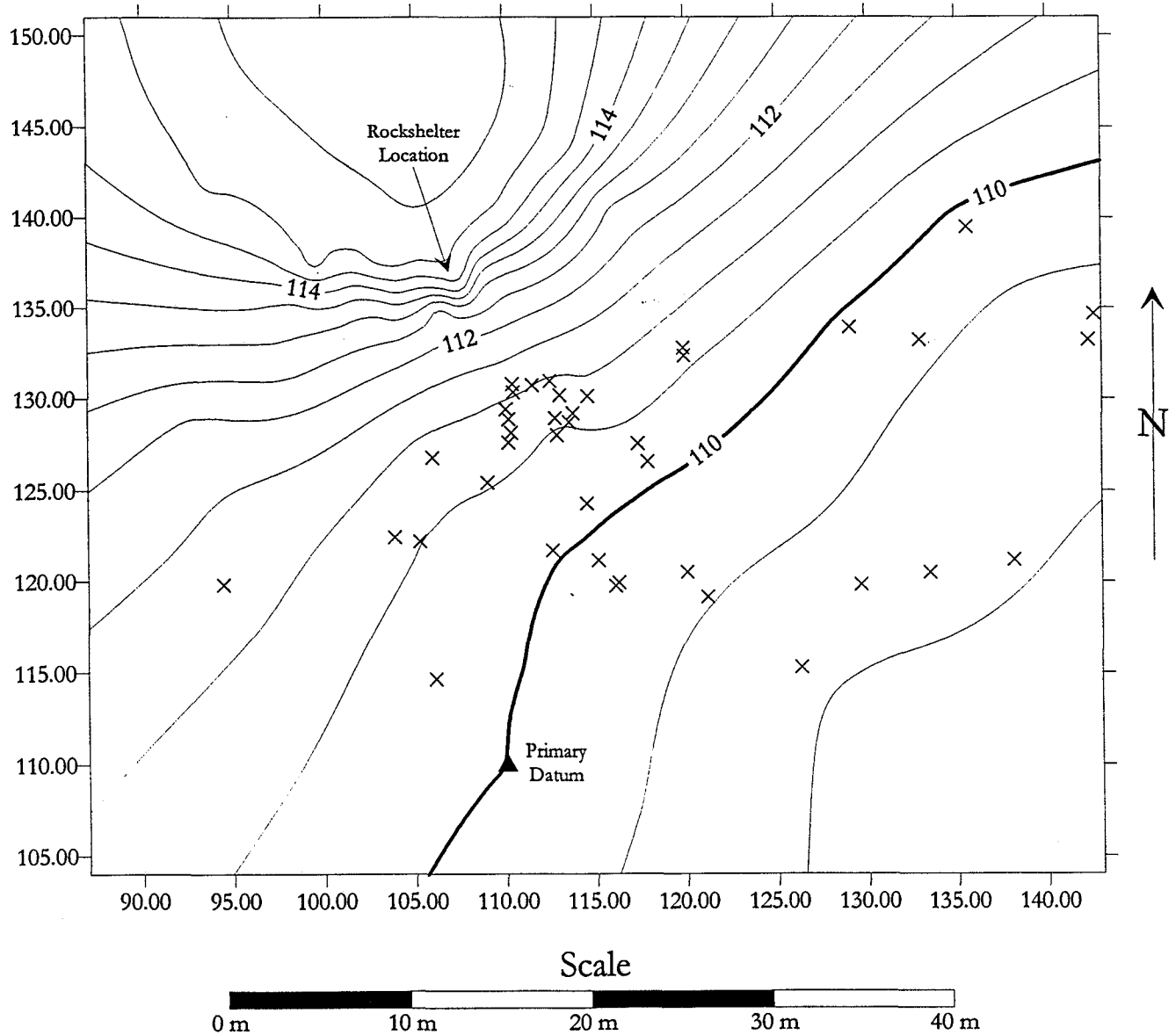


## Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth

# MAP 26: SITE 42UN 2534

40



## Legend

- ▲ Primary Datum
- × Artifact Location

large game hunting/kill/butchering/roasting complex that includes 42UN 2535, 2536, and 2537.

**Nat. Register Status: Not Significant**

**Justification:** Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

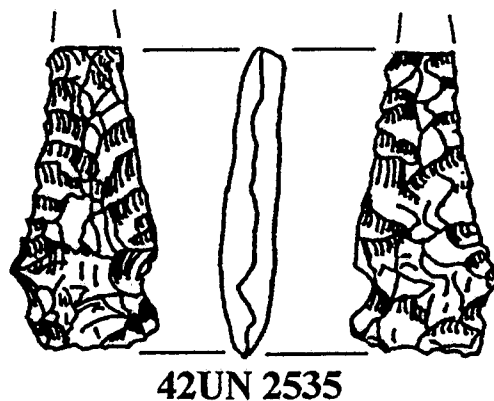
**Site 42UN 2535 (see Maps 4 and 27)**

The site consists of a lithic scatter containing chipped stone tools and debitage. There are spatially delimited concentrations of tools, secondary flakes and tertiary flakes, while decortication flakes, cores and choppers are diffuse throughout the site. The primary lithic material is Parachute Creek chert with some quartzite and a fine grained grey chert. Most artifacts are heavily patinated, suggesting great age. Preliminary evaluations suggest that this is a special use site such as a kill/butcher locus since artifacts are so tightly clustered with most of the bifaces concentrated in a small (2 x 2 meter) areas. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2536, and 2537.

**Nat. Register Status: Significant**

**Justification:** Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

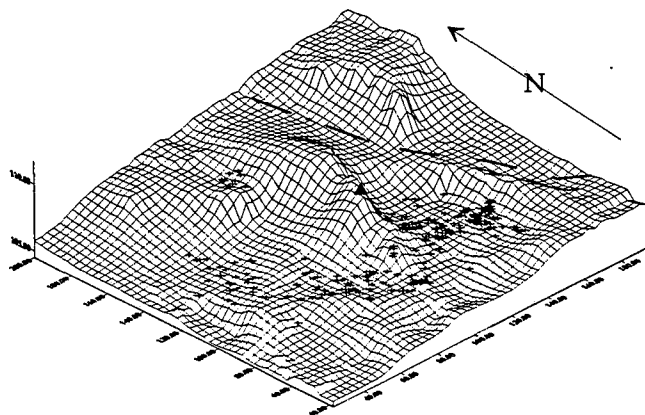
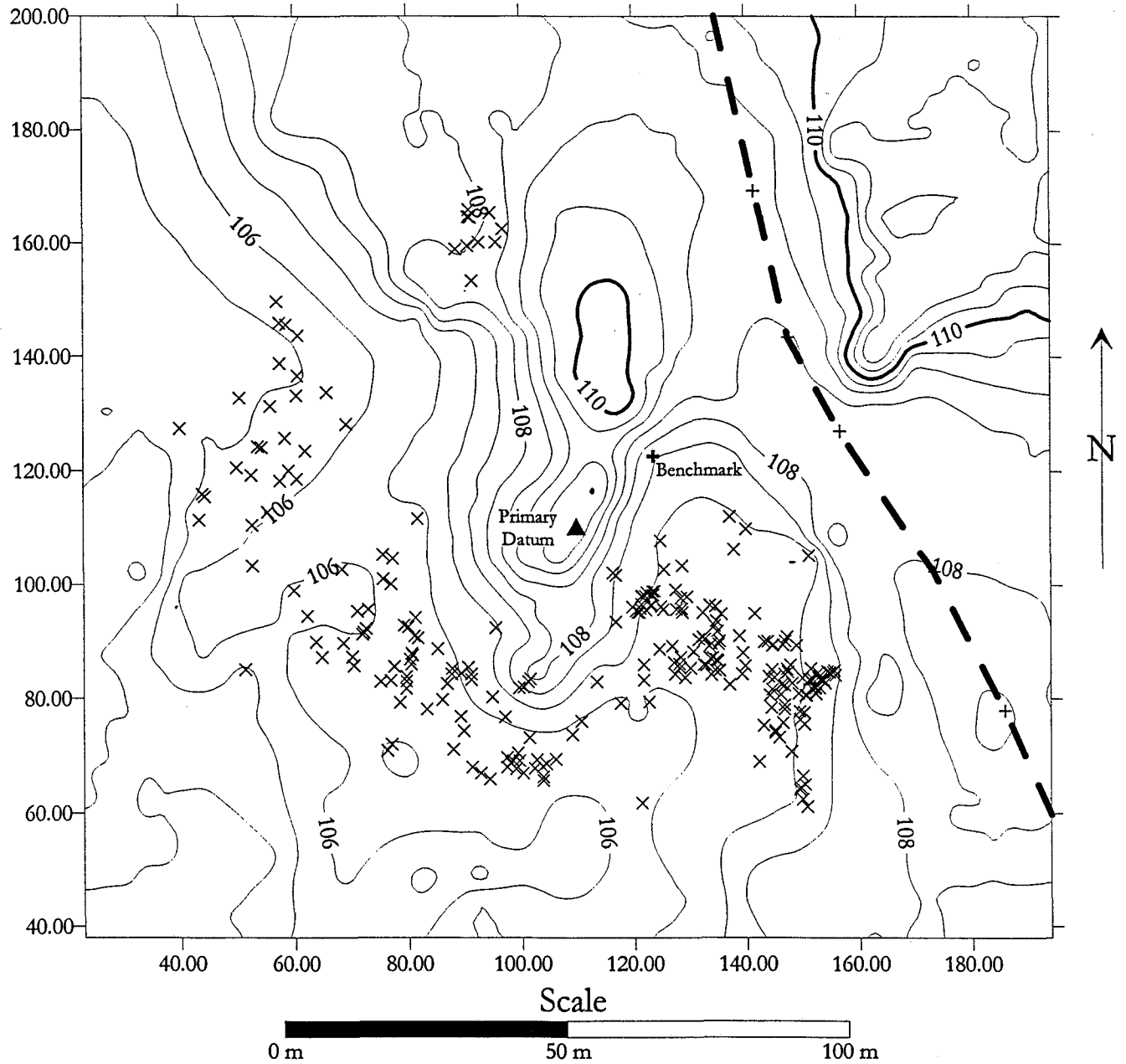
**Recommendation: Avoidance during any surface development related to Unit 7-35.**



**FIGURE 4**

# MAP 27: SITE 42UN 2535

42



## Legend

- ▲ Datum Location
- × Artifact Location
- ⊕ Benchmark
- - - Access Road

**Site 42UN 2536 (see Maps 4 and 28)**

The site consists of a lithic scatter containing chipped stone tools and debitage. The primary lithic material is Parachute Creek chert with some quartzite and a fine grained brown chert. Several chopping tools are present, but no diagnostics were observed. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2535, and 2537.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Site 42UN 2537 (see Maps 4 and 29)**

This site is an open occupation and lithic scatter consisting of several concentrations of oxidized stone, one intact roasting hearth, and a diffuse scatter of lithic debitage, cores and bifaces or choppers. Occupational debris is revealed in a linear pattern in blowouts within and alongside a large dune field. This site is part of an Archaic large game hunting/kill/butchering/roasting complex that includes 42UN 2534, 2535, and 2536.

**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Units 1-35, 2-35, and 7-35.**

**Site 42UN 2538 (see Maps 4 and 30)**

This site consists of a shallow two chambered rock shelter in a sandstone outcrop overlooking a broad drainage to the south. Erosional activity has scoured the shelter, but plenty of debitage, tools and oxidized, heat-cracked rock are visible on the slope and eroding from the sand dunes below.

**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Unit 9-35.**

**Site 42UN 2552 (see Maps 4 and 31)**

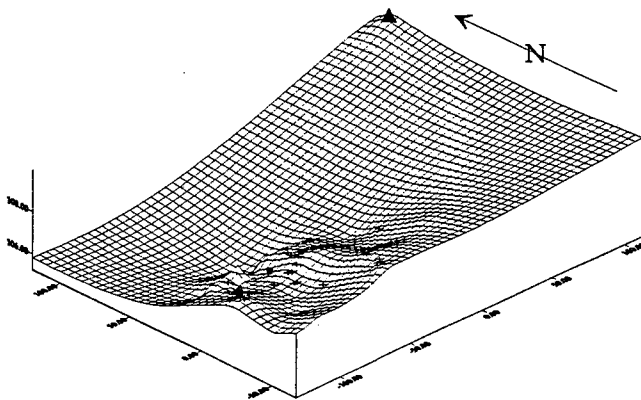
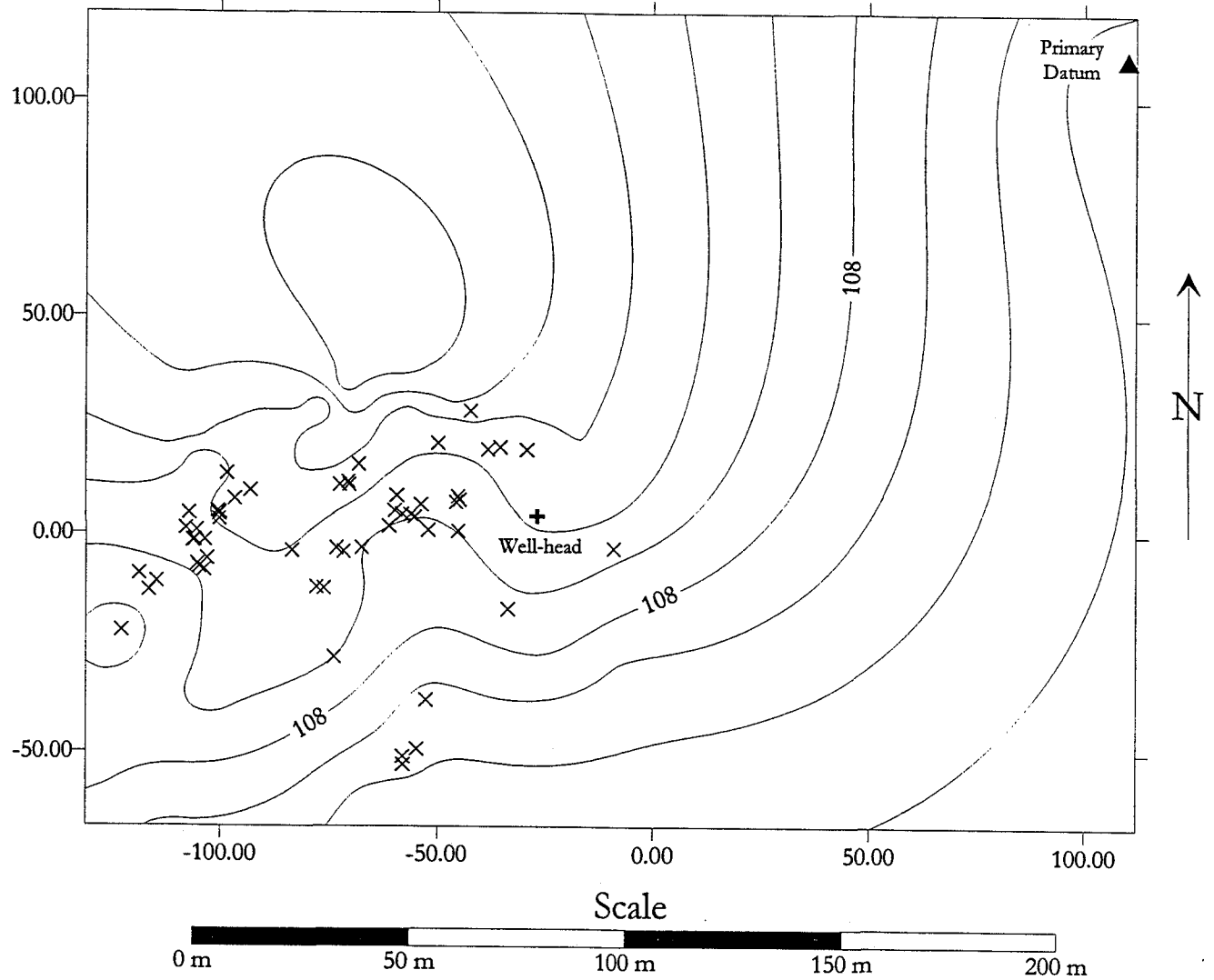
This site consists of a rock shelter in a sandstone ledge complex overlooking a broad drainage to the south. Erosional activity has resulted in the collapse of much of the roof over the shelter effectively sealing the context. Reduction debitage and tools are being exposed within the rock shelter and its associated deposition area.

**Nat. Register Status: Significant**

Justification: Site contains depth potential and context integrity. This site meets the

# MAP 28: SITE 42UN 2536

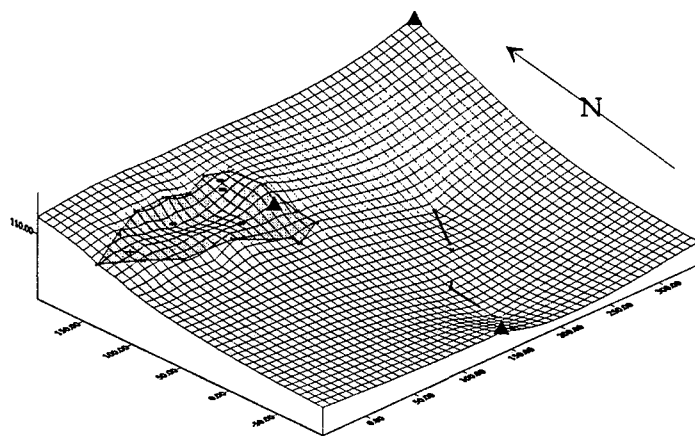
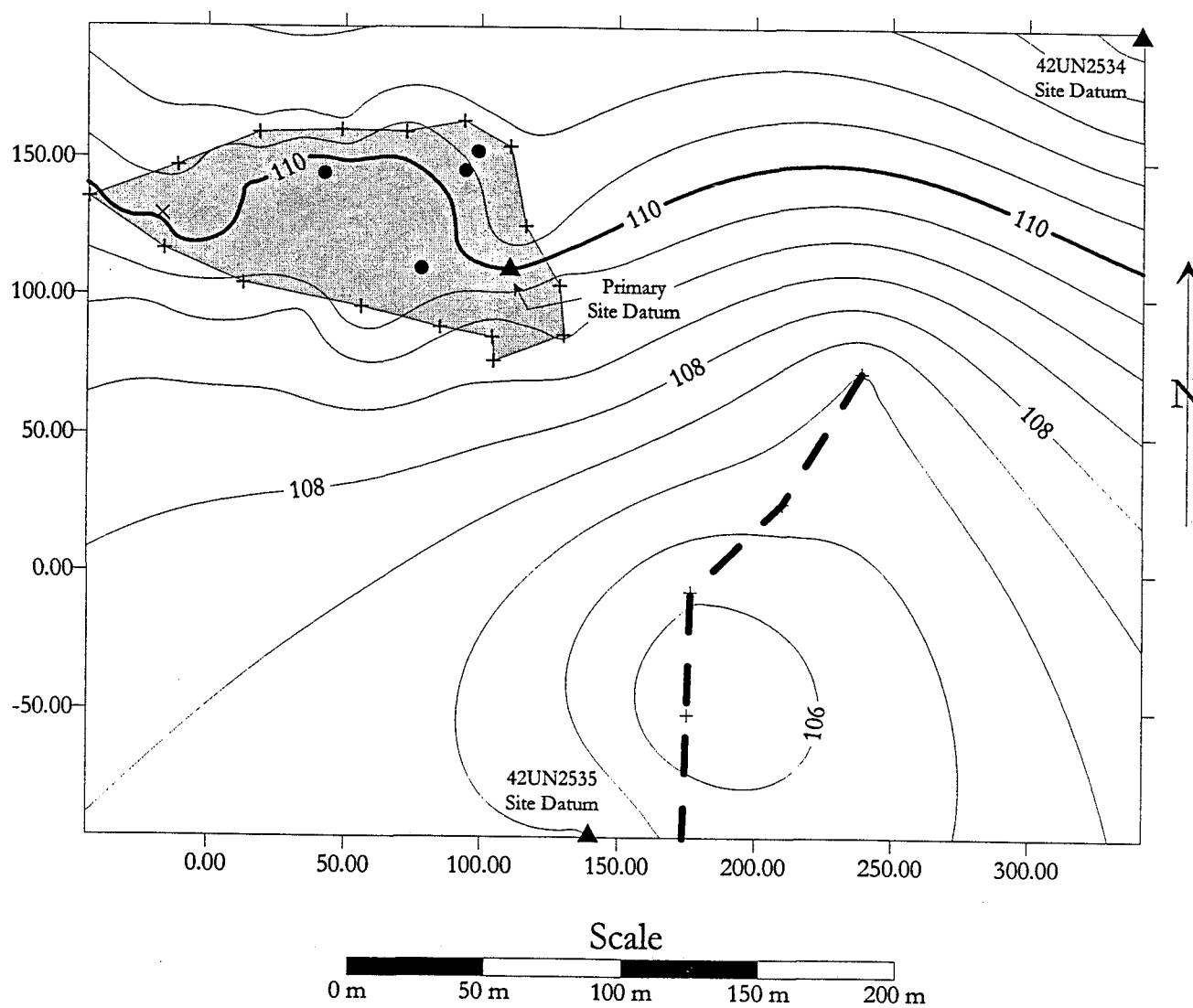
44



## Legend

- ▲ Primary Datum
- × Artifact Location
- + Well-head Location

# MAP 29: SITE 42UN 2537



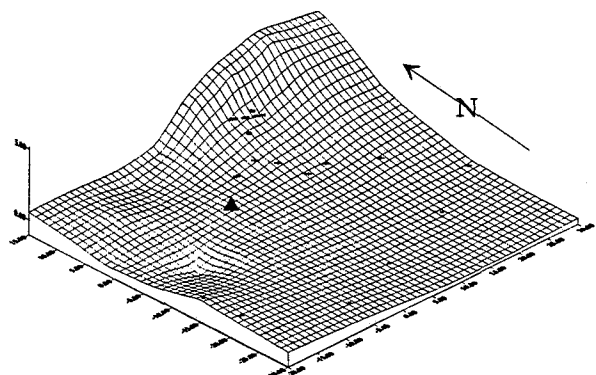
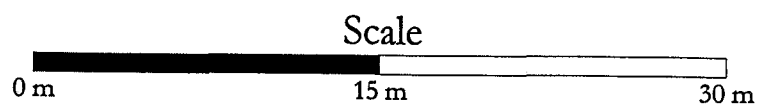
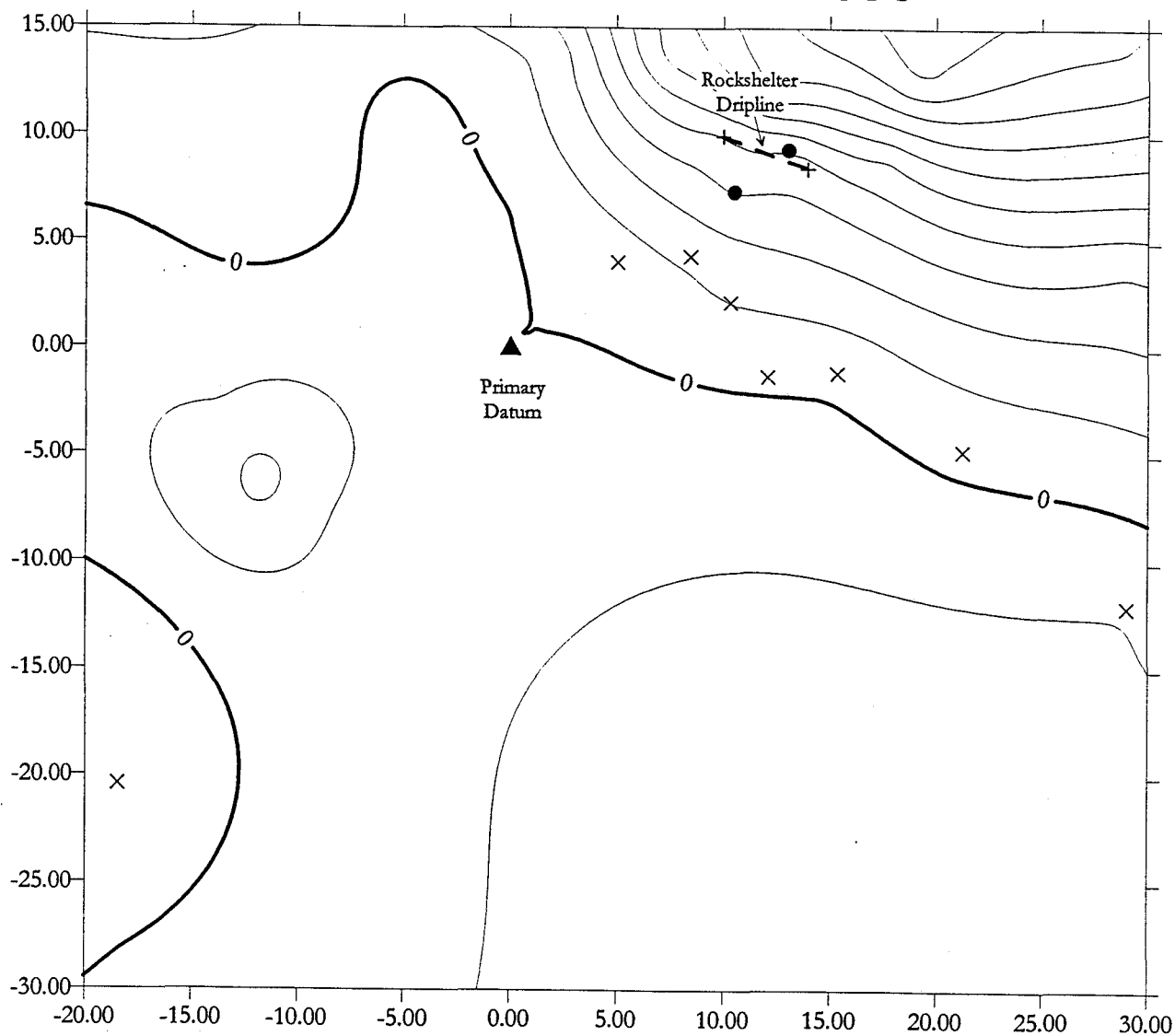
## Legend

- ▲ Datum Location
- × Artifact Location
- Hearth Location
- Extent of Site
- Access Road



# MAP 30: SITE 42UN 2538

46

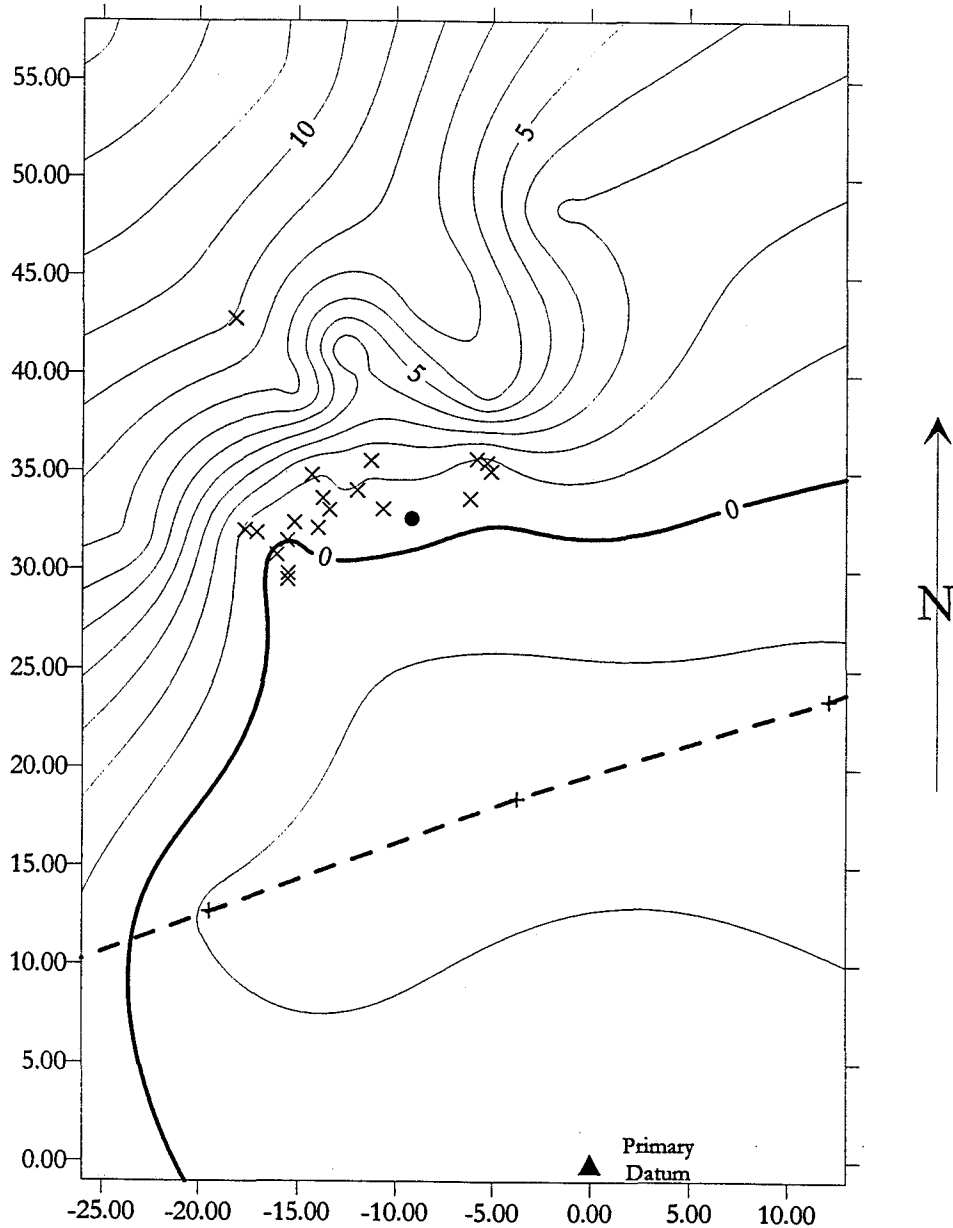


## Legend

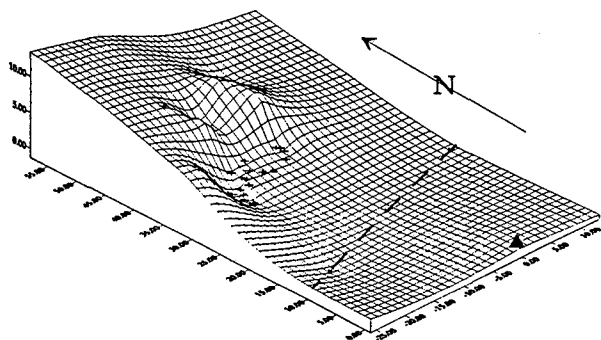
- ▲ Primary Datum
- × Artifact Location
- Hearth Location

# MAP 31: SITE 42UN 2552

47



Scale  
0 m 5 m 10 m 15 m 20 m



## Legend

- ▲ Primary Datum
- × Artifact Location
- Hearth
- Drainage Channel

standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance during any surface development related to Unit 2-2.**

**Site 42UN 2566 (see Maps 4 and 32)**

This site is situated on a bench overlooking a wide drainage to the north. The site consists of a small scatter of lithic debitage, comprised mostly of Parachute Creek Chert, and three tools, also composed of Parachute Creek Chert. A fragment of oxidized sandstone was also noted at the site.

**Nat. Register Status: Not Significant**

Justification: Site lacks depth potential and context integrity. This site does not meet the standards for significance under criterion d established in 36 FR 60.6.

**Recommendation: Avoidance.**

**Isolated Artifacts**

A total of four isolated diagnostic artifacts was observed and recorded during the evaluations within these seven acreage tracts. A number of isolated tap and test flakes and discarded bifaces probably related to butchering episodes was also observed during the inventories; these artifacts were too numerous to warrant reporting.

Isolated artifact **1598B/x1** (see Figure 5A) was collected in the southeast quarter of Section 3, Township 9 South, Range 16 East (see Map 3). It consists of a fragmented Paleoindian projectile point possibly of the Plainview variety. The base is missing so that it is not possible to determine the most pertinent diagnostics for this artifact. It was constructed from tan chert of unknown geological origin.

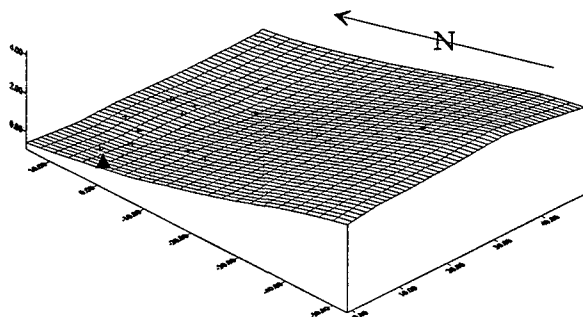
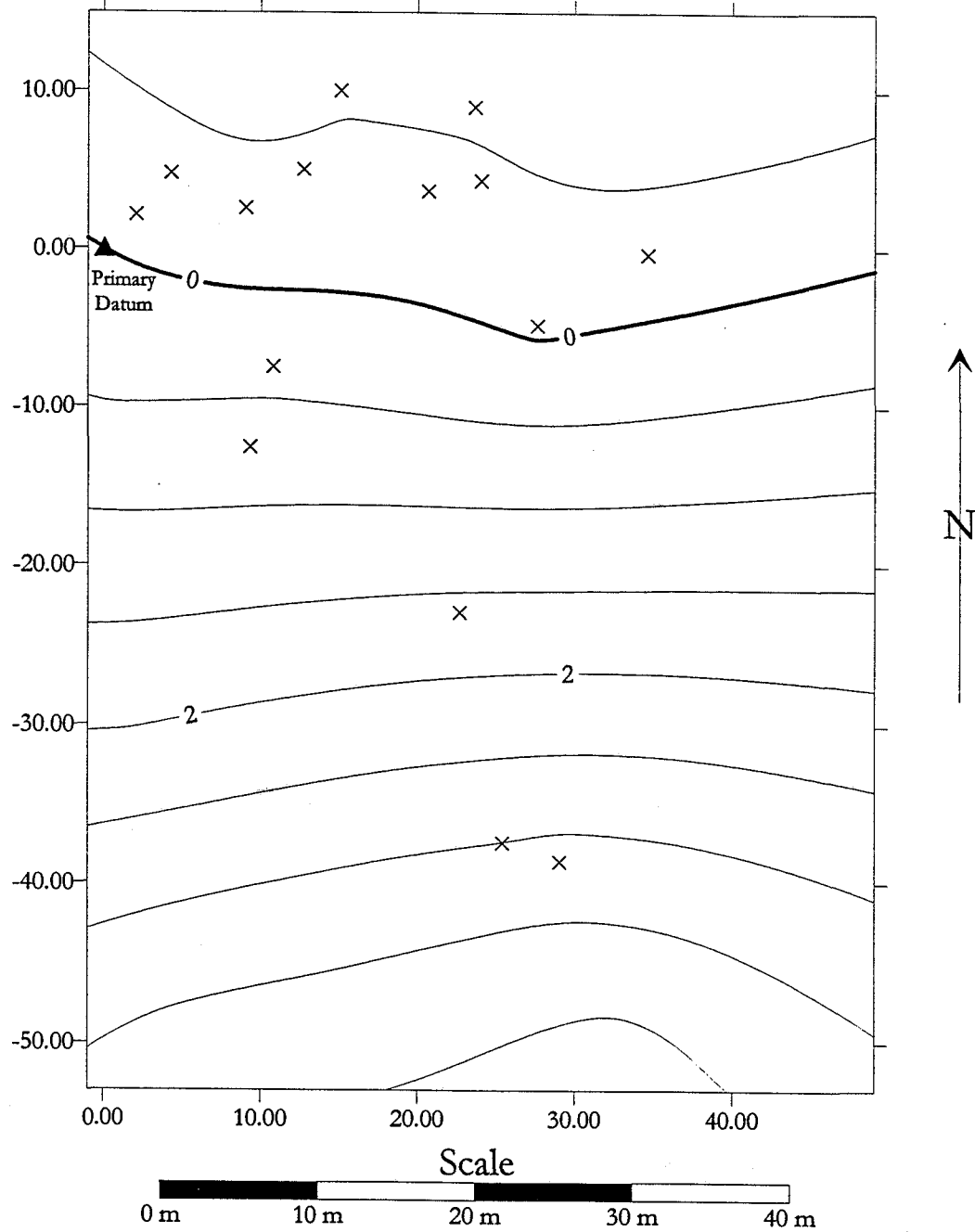
Isolated artifact **1598K/x2** (see Figure 5B) was collected in the southwest quarter of Section 2, Township 9 South, Range 16 East (see Map 3). It consists of a complete Archaic or late Paleoindian dart point manufactured from dark gray oolitic chert of unknown geological origin.

Isolated artifact **1598R/x1** (see Figure 5D) was collected in the northwest quarter of Section 22, Township 9 South, Range 17 East (see Map 6). It consists of the proximal fragment of a highly patinated bifacially prepared tool which may be a Paleoindian projectile point of the Midland type. It was manufactured from locally available Parachute Creek Chert.

Isolated artifact **1598R/x2** (see Figure 5C) was collected in the northeast quarter of Section 22, Township 9 South, Range 17 East (see Map 6). It consists of a nearly intact Pinto dart point of Early Archaic origin. This tool was prepared from either a variant of Parachute Creek Chert or is a type of chert derived from an unknown geological origin.

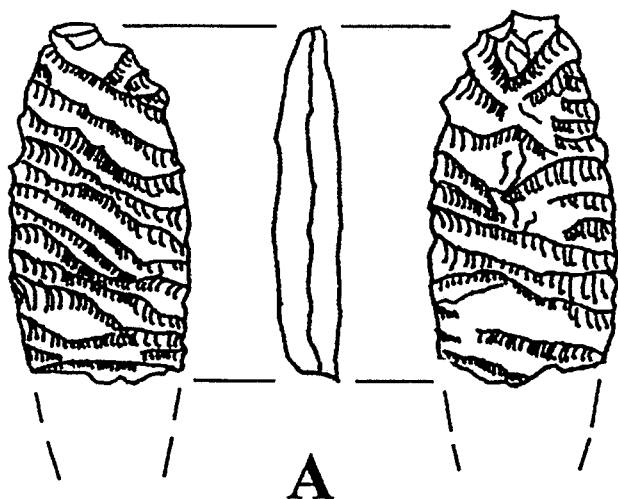
# MAP 32: SITE 42UN 2566

49

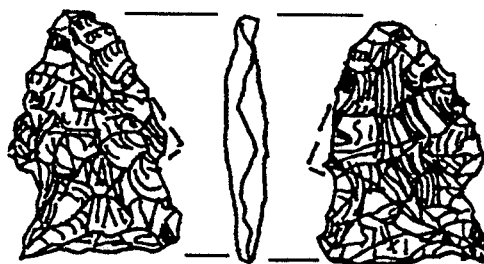


## Legend

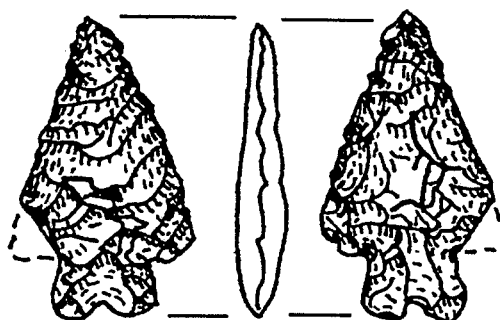
- ▲ Primary Datum
- × Artifact Location



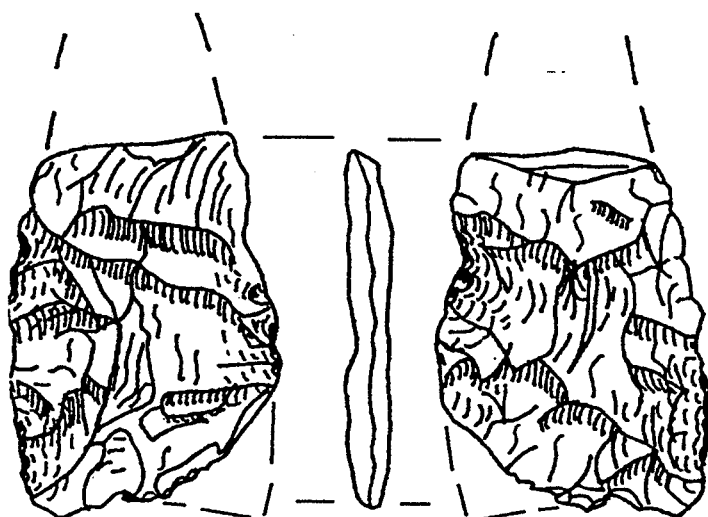
**A**  
**1598B/x1**



**B**  
**1598K/x2**



**1598R/x2**



**D**  
**1598R/x1**

**FIGURE 5**

## Paleontological Assessments

Three paleontological loci were observed during the survey. These loci include an intact turtle, mandible fragments from an oreodont, and an intact crocodile mandible. A separate report on these loci has been prepared by Rod Sheetz, consulting paleontologist (see Sheetz 1998).

## DISCUSSION

In any assessment of this type, it is useful to identify the site densities that are apparent in the data. In *ARCHAEOLOGICAL EVALUATIONS OF THE NORTHERN COLORADO PLATEAU* (AERC Paper No. 45), a basic ratio of sites per acre is used to quantify observed densities (cf., Hauck 1991:45). The site:acre ratios noted for Uinta Basin studies in that report begin at 1:050 as recorded during the Texas-Missouri Creek study conducted by Gordon and Kranzush (Gordon, et al. 1983). The high end of the spectrum is a ratio of 1:850 recorded during the U-a and U-b Oil shale lease study (Berry and Berry 1976). These various ratios were ranked as I, II, III, and IV. The rank density of I ranged between 1:32 and 1:78 ratios. Rank II ratios ranged between the ratios 1:97 and 1:132. Rank III ratios were between 1:201 and 1:273. Finally, the rank IV ratios were between 1:327 and 1:540.

With 28 sites reported in the 3,919 acres reported herein, a basic ratio of 1 site per 139.9 acres is identified, or 1:140, for the entire project area. This ratio is associated with the low end of rank II densities. It is comparable with the 1:152 ratio generated during AERC's 1989 inventory in the Red Wash locality to the east (Hauck, et al. 1990) but less dense than the 1:110 ratio defined during AERC's Mapco sample inventories in this general locality (Hauck and Norman 1980).

The site density within the Inland study varies from tract to tract. For instance, in the 689 acres evaluated in the Ashley Unit west of Wells Draw, one site is reported. This locality thus exhibits a low density ratio of 1:689 (falling in low end of rank IV) which is significantly less dense than the rank II ratio of 1:103 identified in the South Wells Draw Unit where 12 sites are reported in 1,240 acres. The two other Units provided ratios closer to the general project mean of 1:140: the Odekirk Springs Unit (12 sites in 1,529 acres) has a ratio of 1:127(rank II), while the South Pleasant Valley Unit (3 sites in 461 acres) exhibits a ratio of 1:154(lower end of rank II).

The site density ratios registered throughout the Inland project area are not the only interesting factor revealed during this study. The number of Paleoindian projectile points recovered from sites and as isolated finds is also very significant. Points having a definite Paleoindian origin are shown as Figures 1A, 1C, 1D, 2B, 5A and 5D. Possible Plano-Early Archaic transitional points include those shown in Figures 1B, 4, and 5B. The remaining diagnostics are mostly derived from Early Archaic contexts and include Figures 2A, 3B, and 5C. Figure 3C is thought to be an Elko Rocker side-notch of Middle Archaic derivation.

If our assessment of these diagnostic artifacts is correct, 46% of the diagnostic points recovered are Paleoindian, and 69% are both definite and possible Paleoindian. Only 30% of the diagnostics are definitely of Archaic derivation--and these are all of Early to Middle Archaic origin. The lack of Late Archaic, Formative (with the exception of the Late Formative pot-drop site, 42DC 1155), and Late Prehistoric (Shoshonean/Ute) in the project area is also very significant. Our assessment is that water and associated flora and fauna were readily available from the late Pleistocene into the early Holocene within this Castle Peak Draw to Pariette Bench locality. Those resources began to diminish by 7,000 years B.P. (before present) during the Early Archaic and were definitely lost by the end of the Middle Archaic or ca. 4,600 years B.P. accounting for the rapid reduction of hunting occupations and sites in this locality after that date. Further research needs to be initiated to address the viability of this hypothesis.

## CONCLUSION AND RECOMMENDATIONS

AERC recommends that a cultural resource clearance be granted to Inland Resources, Inc. relative to the development within these various land parcels based upon adherence to the following stipulations:

1. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538, and 2552 should be avoided during any development within the Inland tracts. These sites are significant resources and should be protected from disturbance and vandalism.
2. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the surveyed zones and to the existing roadways;
3. all personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area; and
4. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

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U.S.  
Department of the Interior  
Bureau of Land Management  
Utah State Office  
(AERC FORMAT)

Summary Report of  
Inspection for Cultural Resources

Project  
Authorization No UT-98-AF-0164bs

Report Acceptable Yes \_\_\_ No \_\_\_

Mitigation Acceptable Yes \_\_\_ No \_\_\_  
Comments: \_\_\_\_\_

Cultural Resource Evaluation of Various Large Tracts in the  
Wells Draw to Pariette Bench Locality of Duchesne & Uintah  
Counties, Utah

1. Report Title . . . . .

Inland Resources, Inc.

2. Development Company \_\_\_\_\_

7 25 1998

UT-98-54937

3. Report Date . . . . .

4. Antiquities Permit No. \_\_\_\_\_

A E R C

IPC - 98 - 4

Uintah &

5. Responsible Institution . . . . . County Duchesne

6. Fieldwork

Location: TWN 0 9 S . RNG 15 E Sections 12  
TWN 0 9 S . RNG 16 E Sections 2, 3, 4, 7, 9, 10  
TWN 0 8 S . RNG 17 E Sections 35, 36  
TWN 0 9 S . RNG 17 E Sections 2, 15, 18, 22

7. Resource Area Diamond Mountain

8. Description of Examination Procedures: The archeologists directed by R. Hauck, or Glade Hadden, conducted intensive cultural resource evaluations of 7 project tracts situated in the Wells Draw to Pariette Bench locality. The survey was conducted by walking 15 to 20 meter-wide transects in the parcels.

9. Linear Miles Surveyed . . . . .

and/or 3,919

Definable Acres Surveyed . . . . .

and/or

Legally Undefinable

Acres Surveyed . . . . .

10. Inventory Type . . . . .

R = Reconnaissance

I = Intensive

S = Statistical Sample

11. Description of Findings:

12. Number Sites Found .2.8 . . . . .

A total of 28 archaeological sites was recorded during this inventory. These sites include 42DC1149, 42DC1150, 42DC 1155-1166, 1171, 1174-1177, and 42Un 2532-2538, 2552 and 2566. Sites 42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538 and 2552 are considered significant resources.

(No sites = 0)

13. Collection: .Y.

(Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 11-6-97 Vernal BLM 3-18-98

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Inland Resources, Inc. for the proposed developments based on the following stipulations:

1. All significant sites (42DC 1149, 1150, 1158, 1159, 1161, 1162, 1174, 1175 and 42UN 2535, 2537, 2538 and 2552) should be avoided during any surface disturbance or development in their vicinities.
2. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the surveyed zones and to the existing roadways;
3. All personnel should refrain from collecting artifacts and from disturbing any cultural resources in the area; and
4. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator & Field Supervisor

Administrator:

*SP Hank*

Field  
Supervisor:

UT 8100-3 (2/85)

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/14/2000

API NO. ASSIGNED: 43-013-32156

WELL NAME: S WELLS DRAW 8-9-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: JON HOLST

PHONE NUMBER: 303-893-0102

**PROPOSED LOCATION:**

SENE 09 090S 160E

SURFACE: 1792 FNL 0665 FEL

BOTTOM: 1792 FNL 0665 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1-Federal

LEASE NUMBER: UTU-65207

SURFACE OWNER: 1-Federal

PROPOSED FORMATION: GRRV

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4488944 )  
☒ Potash (Y/N)  
☒ Oil Shale (Y/N) \*190 - 5 (B)  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)

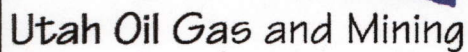
**LOCATION AND SITING:**

☐ R649-2-3. Unit  
☒ R649-3-2. General  
Siting:   
☐ R649-3-3. Exception  
☐ Drilling Unit  
Board Cause No:   
Eff Date:   
Siting:   
☐ R649-3-11. Directional Drill

COMMENTS: \* mon. Butte Field (SOP), separate file.

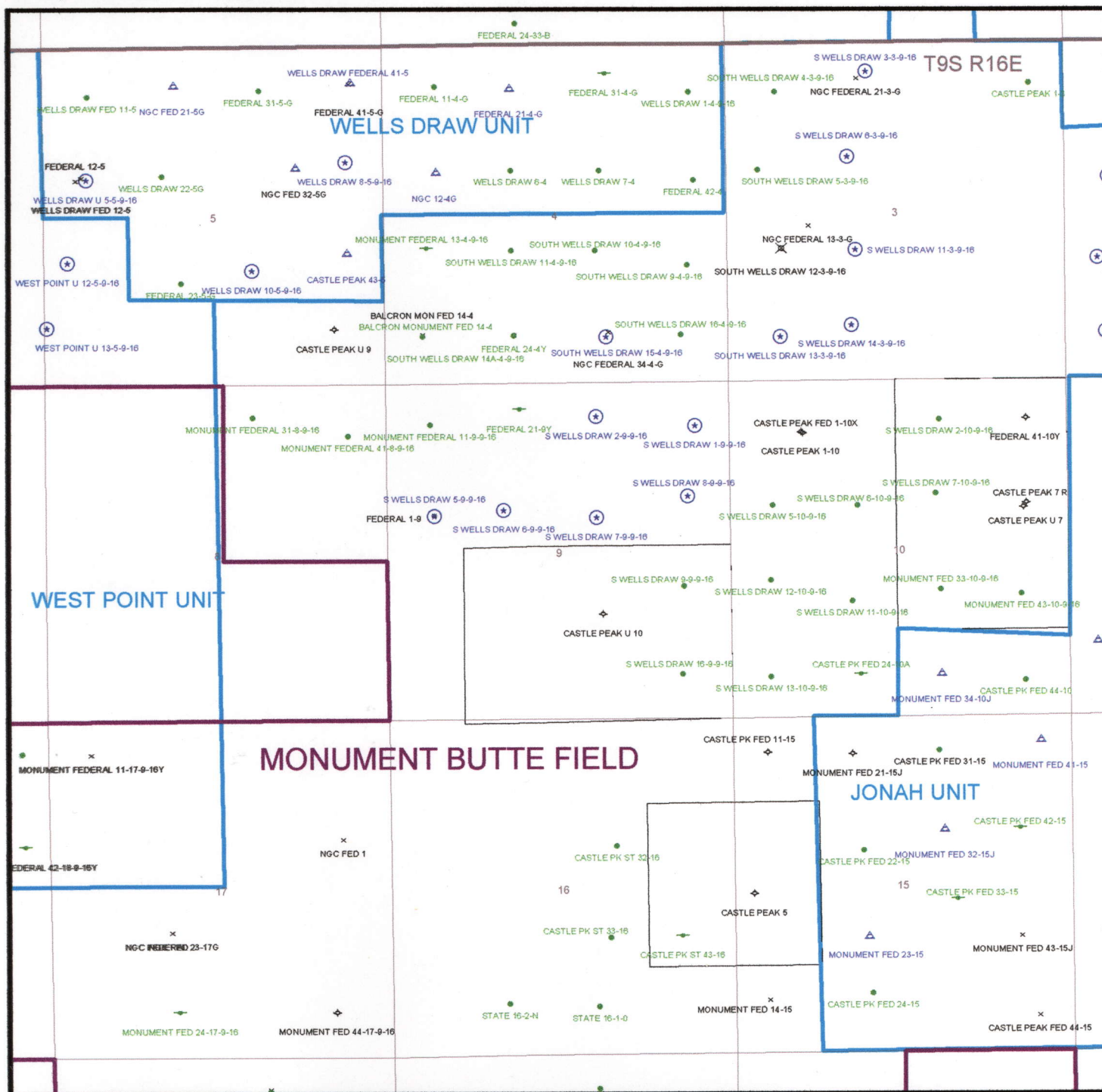
STIPULATIONS: ① FEDERAL APPROVAL





COUNTY: DUCHESNE    SPACING: STATE 40 ACRES

**Serving the Industry, Protecting the Environment**



PREPARED  
DATE: 20-APR-2000



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

April 24, 2000

Inland Production Company  
410 17th Street, Suite 700  
Denver, CO 80202

Re: S Wells Draw 8-9-9-16 Well, 1792' FNL, 665' FEL, SE NE, Sec. 9, T. 9S, R. 16E,  
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32156.

Sincerely,

John R. Baza  
Associate Director

er  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company  
Well Name & Number S Wells Draw 8-9-9-16  
API Number: 43-013-32156  
Lease: UTU-65207  
Location: SE NE                      Sec. 9                      T. 9S                      R. 16E

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338
- Contact Robert Krueger at (801) 538-5274.

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval which must be obtained prior to drilling.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-65207</b>
1b. TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/> ZONE <input checked="" type="checkbox"/> ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>
2. NAME OF OPERATOR <b>Inland Production Company</b>		7. UNIT AGREEMENT NAME <b>N/A</b>
3. ADDRESS OF OPERATOR <b>410 - 17th Street, Suite 700, Denver, CO 80202 Phone: (303) 893-0102</b>		8. FARM OR LEASE NAME <b>S. Wells Draw</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface <b>SE NE 1792.2' fml, 664.7' fel</b> At proposed Prod. Zone		9. WELL NO. <b>8-9-9-16</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>Approx 12.7 miles southwest of Myton, Utah</b>		10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>Approx 1792' f/lse line &amp; 1792' f/unit line</b>	16. NO. OF ACRES IN LEASE <b>720</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SE NE Sec. 9, T9S, R16E</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>Approx 1107'</b>	19. PROPOSED DEPTH <b>6500'</b>	12. County <b>Duchesne</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5720' GR</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	13. STATE <b>UT</b>
20. ROTARY OR CABLE TOOLS <b>Rotary</b>		22. APPROX. DATE WORK WILL START*
23. PROPOSED CASING AND CEMENTING PROGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT
SETTING DEPTH	QUANTITY OF CEMENT	
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>		

Inland Production Company proposes to drill this well in accordance with the attached exhibits.

The Conditions of Approval are also attached.

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APR 17 2000

BLM VERNAL, UTAH

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.

If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Jon Holst TITLE Counsel DATE 4/5/00

(This space for Federal or State official use)

PERMIT NO. \_\_\_\_\_ APPROVAL **CONDITIONS OF APPROVAL ATTACHED**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY

APPROVED BY David R. Cleavage TITLE Assistant Field Manager Mineral Resources DATE 11/6/00

RECEIVED

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NOV 14 2000  
DIVISION OF  
OIL, GAS AND MINING

00440037A

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: S. Wells Draw 8-9-9-16

API Number: 43-013-32156

Lease Number: U -65207

Location: SENE Sec. 09 T. 9S R. 16E

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**RECEIVED**

NOV 14 2000

DIVISION OF  
OIL, GAS AND MINING

### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at  $\pm 2,006$  ft.

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DIVISION OF  
OIL, GAS AND MINING

SURFACE USE PROGRAM  
Conditions of Approval (COAs)

Plans For Reclamation of Location:

All seeding for reclamation operations at this location shall use the following seed mixture:

black sage brush	Artemisia nova	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
galleta grass	Hilaria jamesii	3 lbs/acre
blue gramma grass	Bouteloua gracilis	3 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

Other Additional Information:

If installation of the surface gas line is to occur March 15 through August 15 additional surveys will be required for wildlife. If surface disturbances occur along this gas line route the operator may be required to perform reclamation work to return surface to natural conditions.

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NOV 14 2000

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1792 FNL 665 FEL SE/NE Section 9, T09S R16E**

5. Lease Designation and Serial No.

**UTU-65207**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**S. WELLS DRAW**

8. Well Name and No.

**S. WELLS DRAW 8-9-9-16**

9. API Well No.

**43-013-32156**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company requests to extend the permit to drill this well for one year. The original permit approval date was 9/19/00.

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 06-19-01  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 06-22-01  
Initials: CHD

**RECEIVED**

**JUN 15 2001**

**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]

Title

Permit Clerk

Date

6/14/01

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

RECEIVED  
JUN 15 2001

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1792 FNL 665 FEL SE/NE Section 9, T09S R16E**

5. Lease Designation and Serial No.

**UTU-65207**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**S. WELLS DRAW**

8. Well Name and No.

**S. WELLS DRAW 8-9-9-16**

9. API Well No.

**43-013-32156**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company requests to extend the permit to drill this well for one year. The original permit approval date was 9/19/00.

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JUL 11 2001

DIVISION OF  
OIL, GAS AND MINING

**CONDITIONS OF APPROVAL ATTACHED**

14. I hereby certify that the foregoing is true and correct

Signed

*Markie Crozier*

Title

Permit Clerk

Date

6/14/01

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

*Kirk Fulwood*

Petroleum Engineer

Date

JUN 28 2001

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DoGM

Inland Production Company  
APD Extension

Well: 8-9-9-16

Location: SENE Sec. 9, T9S, R16E

Lease: UTU 65207

**CONDITIONS OF APPROVAL**

An extension for the referenced APD is granted with the following conditions:

---

1. The extension will expire November 6, 2002
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood at (435) 781-4486.



# State of Utah

## DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Robert Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

July 25, 2002

Mandie Crozier  
Inland Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Re: APD Rescinded – S. Wells Draw 8-9-9-16, Sec. 9, T. 9S, R. 16E  
Duchesne, Utah API No. 43-013-32156

Dear Mr. Crozier:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining on April 24, 2000. On June 19, 2001, the Division granted a one-year APD extension. On July 25, 2002, you requested that the division rescind the approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective July 25, 2002.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason  
Engineering Technician

cc: Well File  
Bureau of Land Management, Vernal



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3160

UT08300

December 10, 2002

Mandie Crozier  
Inland Production Company  
Route 3 Box 3630  
Myton, UT 84052

Re: Notification of Expiration  
Well No. S. Wells Draw 8-9-9-16  
SENE, Sec. 9, T9S, R16E  
Duchesne County, Utah  
Lease No. UTU-65207

Dear Ms. Crozier:

The Application for Permit to Drill the above-referenced well was approved on November 6, 2000. Inland Production Company requested an extension of the original APD approval for an additional year. The request was reviewed and the extension approved until November 6, 2002. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Leslie Walker  
Legal Instruments Examiner

cc: UDOGM

RECEIVED

DEC 23 2002

DIV. OF OIL, GAS & MINING